

generating a selection signal for indicating selection between the identified upsell,
change and a second upsell,

and the method further comprising:

if the selection signal indicates selection of the second upsell,

- 5 determining a second upsell price corresponding to the second upsell, and
setting the required payment amount to be equal to the rounded price if the calculated round-
up amount corresponds to the second upsell price.

129. The method of claim 125, further comprising:

10 printing a voucher.

130. The method of claim 129, further comprising:

printing an identifier on the voucher.

15 131. The method of claim 129, further comprising:

maintaining an identifier database;

generating a unique identifier;

storing the unique identifier in the identifier database; and

printing the unique identifier on the voucher.

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132. The method of claim 129, further comprising:

generating a date identifier in dependence on a date of the purchase; and

printing the date identifier on the voucher.

133. The method of claim 125, further comprising:
- maintaining a database of offered upsells;
 - storing the round-up amount in the database of offered upsells;
 - storing the identified upsell in the database of offered upsells; and
 - 5 storing the selection signal in the database of offered upsells.
134. The method of claim 133, further comprising:
- storing a date of the purchase in the database of offered upsells.
- 10 135. The method of claim 125, wherein the upsell comprises a game entry.
136. The method of claim 135, further comprising:
- maintaining a game database;
 - generating a unique identifier;
 - 15 storing the unique identifier in the game database; and
 - storing the round-up amount in the game database.
137. The method of claim 125, further comprising:
- if the selection signal indicates selection of the identified upsell, storing signals
 - 20 indicative of the identified upsell in a customer record, thereby associating the identified
 - upsell with a customer.
138. The method of claim 137, further comprising:

storing signals indicative of a first customer identifier for identifying a first customer who donates the identified upsell; and
storing signals indicative of a second customer identifier for identifying a second customer who receives the donated upsell.

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139. The method of claim 137, further comprising:

storing signals indicative of a first customer identifier for identifying a first customer who donates the identified upsell;

storing signals indicative of a plurality of customer identifiers for identifying a plurality of

10 customers; and

selecting at least one of the plurality of customer identifiers, thereby selecting at least one customer who receives the donated upsell.

140. The method of claim 125, further comprising:

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storing a preferred-upsell signal indicative of an upsell for each of a plurality of customers.

141. The method of claim 140, wherein the step of generating the selection signal comprises accessing the stored preferred-upsell signals, and generating the selection signal

20 in dependence thereupon.

142. The method of claim 124, wherein the step of identifying the upsell comprises identifying a plurality of upsells in the database which correspond to the compared upsell

price, and wherein the step of outputting comprises outputting signals indicative of at least one of the plurality of identified upsells.

143. The method of claim 142, further comprising:

5 generating a selection signal for indicating selection between at least one of the plurality of identified upsells and change.

144. The method of claim 142, further comprising:

 sorting the plurality of identified upsells, thereby arranging a first upsell to be ordered
10 before a second upsell.

145. The method of claim 144, wherein the step of outputting comprises outputting signals indicative of the first upsell.

15 146. The method of claim 145, further comprising:

 generating a selection signal for indicating selection between the identified upsell and change; and
 outputting signals indicative of the second upsell if the selection signal does not indicate selection of the first upsell.

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147. The method of claim 144, wherein the step of sorting comprises sorting the plurality of identified upsells according to a cost of each identified upsell.

148. The method of claim 124, further comprising:

generating a purchase condition,

and wherein the step of maintaining a database comprises:

maintaining a database of at least one upsell price and a corresponding upsell and at least one corresponding upsell condition,

5 and wherein the step of identifying comprises:

identifying at least one upsell in the database which corresponds to the compared upsell price and the purchase condition.

149. The method of claim 124, wherein the step of generating a rounded price comprises

10 generating a rounded price in dependence on a whole number which is greater than the purchase price.

150. The method of claim 149, wherein the step of generating a rounded price comprises generating a rounded price in dependence on the smallest whole number which is greater

15 than the purchase price.

151. The method of claim 124, wherein the step of generating a rounded price comprises generating a rounded price in dependence on a multiple of $\frac{1}{4}$ which is greater than the purchase price.

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152. An apparatus for determining an upsell of a purchase, comprising:

a storage device; and

a processor connected to the storage device,

the storage device storing

a required payment amount,
a database of at least one upsell price and a corresponding upsell, and
a program for controlling the processor; and

the processor operative with the program to

- 5 generate a purchase price of the purchase,
set the required payment amount to be equal to the purchase price,
generate a rounded price,
calculate a round-up amount, the round-up amount being a difference between the purchase price and the rounded price,
- 10 compare the calculated round-up amount with at least one of the upsell prices in the database, and
if the calculated round-up amount corresponds to a compared upsell price,
identify at least one upsell in the database which corresponds to the compared upsell price,
and
- 15 output signals indicative of the identified upsell.

153. The apparatus of claim 152, wherein the processor is further operative with the program to generate a selection signal for indicating selection between the identified upsell and change.

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154. The apparatus of claim 153, wherein the database includes a plurality of upsell prices and corresponding upsells, and wherein the processor is further operative with the program to identify a second upsell in the database which corresponds to the compared upsell if the selection signal indicates selection of change.

155. The apparatus of claim 152, wherein the processor is further operative with the program to:

generate a selection signal for indicating selection between the identified upsell,

5 change and a second upsell, and

if the selection signal indicates selection of the second upsell, determine a second upsell price corresponding to the second upsell.

156. The apparatus of claim 153, further comprising:

10 a printer connected to the processor for printing a voucher.

157. The apparatus of claim 156, wherein the processor is further operative with the program to drive the printer to print an identifier on the voucher.

15 158. The apparatus of claim 156, wherein the storage device further stores an identifier database; and

wherein the processor is further operative with the program to:

generate a unique identifier;

store the unique identifier in the identifier database; and

20 drive the printer to print the unique identifier on the voucher.

159. The apparatus of claim 156, wherein the processor is further operative with the program to:

generate a date identifier in dependence on a date of the purchase; and

drive the printer to print the date identifier on the voucher.

160. The apparatus of claim 153, wherein the storage device further stores a database of offered upsells;

5 and wherein the processor is further operative with the program to:

store the round-up amount in the database of offered upsells;

store the identified upsell in the database of offered upsells; and

store the selection signal in the database of offered upsells.

10 161. The apparatus of claim 160, wherein the processor is further operative with the program to store a date of the purchase in the database of offered upsells.

162. The apparatus of claim 153, wherein the upsell comprises a game entry.

15 163. The apparatus of claim 162, wherein the storage device further stores a game database, and

wherein the processor is further operative with the program to:

generate a unique identifier;

store the unique identifier in the game database; and

20 store the round-up amount in the game database.

164. The apparatus of claim 153, wherein the storage device further stores a customer record, and wherein the processor is further operative with the program to:

if the selection signal indicates selection of the identified upsell, store signals indicative of the identified upsell in the customer record, thereby associating the identified upsell with a customer.

- 5 165. The apparatus of claim 164, wherein the storage device further stores:
signals indicative of a first customer identifier for identifying a first customer who donates
the identified upsell; and
signals indicative of a second customer identifier for identifying a second customer who
receives the donated upsell.

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166. The apparatus of claim 164, wherein the storage device further stores:
signals indicative of a first customer identifier for identifying a first customer who
donates the identified upsell; and
signals indicative of a plurality of customer identifiers for identifying a plurality of

15 customers;

and wherein the processor is further operative with the program to select at least one of the
plurality of customer identifiers, thereby selecting at least one customer who receives the
donated upsell.

- 20 167. The apparatus of claim 153, wherein the storage device further stores a preferred-
upsell signal indicative of an upsell for each of a plurality of customers.

168. The apparatus of claim 167, wherein the processor is further operative with the program to access the stored preferred-upsell signals, and generate the selection signal in dependence thereupon.

5 169. The apparatus of claim 152, wherein the processor is further operative with the program to identify a plurality of upsells in the database which correspond to the compared upsell price.

170. The apparatus of claim 169, wherein the processor is further operative with the
10 program to:
generate a selection signal for indicating selection between at least one of the plurality of identified upsells and change.

171. The apparatus of claim 169, wherein the processor is further operative with the
15 program to:
sort the plurality of identified upsells, thereby arranging a first upsell to be ordered before a second upsell.

172. The apparatus of claim 171, wherein the processor is further operative with the
20 program to sort the plurality of identified upsells according to a cost of each identified upsell.

173. The apparatus of claim 152, wherein the storage device further stores:

a database of at least one upsell price and a corresponding upsell and at least one corresponding upsell condition;

and wherein the processor is further operative with the program to generate a purchase condition, and

- 5 identify at least one upsell in the database which corresponds to the compared upsell price and the purchase condition.

174. The apparatus of claim 152, wherein the processor is further operative with the program to generate a rounded price in dependence on a whole number which is greater than

10 the purchase price.

175. The apparatus of claim 174, wherein the processor is further operative with the program to generate a rounded price in dependence on the smallest whole number which is greater than the purchase price.

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176. The apparatus of claim 152, wherein the processor is further operative with the program to generate a rounded price in dependence on a multiple of $\frac{1}{4}$ which is greater than the purchase price.

- 20 177. A method for determining a second product in dependence on a purchase, the purchase including a first product, the terminal storing a required payment amount, comprising:
maintaining a database of at least one upsell price, a corresponding item purchased and a corresponding second product;

generating a purchase price of the purchase;

setting the required payment amount to be equal to the purchase price;

generating a rounded price;

calculating a round-up amount, the round-up amount being a difference between the

5 purchase price and the rounded price;

comparing the calculated round-up amount with at least one of the upsell prices in the

database; and

if the calculated round-up amount corresponds to a compared upsell price,

identifying the item purchased and second product which corresponds to the

10 compared upsell price in the database,

if the first product corresponds to the identified item purchased, outputting a signal

indicative of the second product,

generating a selection signal for indicating selection between the second product and

the first product; and

15 setting the required payment amount to be equal to the rounded price if the selection

signal indicates selection of the second product.

178. An apparatus for determining a second product in dependence on a purchase, the purchase including a first product, comprising:

20 a storage device; and

a processor connected to the storage device,

the storage device storing

a required payment amount,

a database of at least one upsell price and a corresponding upsell, and

- a program for controlling the processor; and
- the processor operative with the program to
- generate a purchase price of the purchase,
- set the required payment amount to be equal to the purchase price,
- 5 generate a rounded price,
- calculate a round-up amount, the round-up amount being a difference between the purchase price and the rounded price,
- compare the calculated round-up amount with at least one of the upsell prices in the database, and
- 10 if the calculated round-up amount corresponds to a compared upsell price,
- identify the item purchased and second product which corresponds to the compared upsell price in the database,
- if the first product corresponds to the identified item purchased, outputting a signal indicative of the second product,
- 15 generate a selection signal for indicating selection between the second product and the first product, and
- set the required payment amount to be equal to the rounded price if the selection signal indicates selection of the second product.
- 20 179. A method for determining a second product in dependence on a purchase, the purchase including a first product, the terminal storing a required payment amount, comprising:
- maintaining a database of at least one upsell price, a corresponding item purchased and a corresponding second product;

generating a purchase price of the purchase;

setting the required payment amount to be equal to the purchase price;

generating a rounded price;

calculating a round-up amount, the round-up amount being a difference between the

5 purchase price and the rounded price;

comparing the calculated round-up amount with at least one of the upsell prices in
the database; and

if the calculated round-up amount corresponds to a compared upsell price,

identifying the item purchased and second product which corresponds to the

10 compared upsell price in the database,

if the first product corresponds to the identified item purchased, outputting a signal
indicative of the second product,

generating a selection signal for indicating selection between the second product and
change; and

15 setting the required payment amount to be equal to the rounded price if the selection
signal indicates selection of the second product.

180. An apparatus for determining a second product in dependence on a purchase, the
purchase including a first product, comprising:

20 a storage device; and

a processor connected to the storage device,

the storage device storing

a required payment amount,

a database of at least one upsell price and a corresponding upsell, and

- a program for controlling the processor; and
- the processor operative with the program to
- generate a purchase price of the purchase,
- set the required payment amount to be equal to the purchase price,
- 5 generate a rounded price;
- calculate a round-up amount, the round-up amount being a difference between the purchase price and the rounded price,
- compare the calculated round-up amount with at least one of the upsell prices in the database, and
- 10 if the calculated round-up amount corresponds to a compared upsell price,
- identify the item purchased and second product which corresponds to the compared upsell price in the database,
- if the first product corresponds to the identified item purchased, outputting a signal indicative of the second product,
- 15 generate a selection signal for indicating selection between the second product and change, and
- set the required payment amount to be equal to the rounded price if the selection signal indicates selection of the second product.
- 20 181. A method for offering an upsell of a purchase at a point-of-sale terminal, comprising:
- generating a purchase price of the purchase;
- setting a required payment amount to be equal to the purchase price;
- generating a rounded price;

calculating a round-up amount, the round-up amount being a difference between the purchase price and the rounded price;

generating a selection signal for indicating selection between the upsell and change;

and

- 5 setting the required payment amount to be equal to the rounded price if the selection signal indicates selection of the upsell.

182. The method of claim 181, further comprising:

providing a voucher if the selection signal indicates selection of the upsell.

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183. The method of claim 182, further comprising:

printing an identifier on the voucher.

184. The method of claim 182, further comprising:

- 15 maintaining an identifier database;

generating a unique identifier;

storing the unique identifier in the identifier database; and

printing the unique identifier on the voucher.

- 20 185. The method of claim 182, further comprising:

generating a date identifier in dependence on a date of the purchase; and

printing the date identifier on the voucher.

186. The method of claim 181, further comprising:

maintaining a database of offered upsells;
storing the round-up amount in the database of offered upsells;
storing the identified upsell in the database of offered upsells; and
storing the selection signal in the database of offered upsells.

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187. The method of claim 186, further comprising:
storing a date of the purchase in the database of offered upsells.

188. The method of claim 181, wherein the upsell comprises a game entry.

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189. The method of claim 188, further comprising:
maintaining a game database;
generating a unique identifier;
storing the unique identifier in the game database; and
15 storing the round-up amount in the game database.

190. The method of claim 181, further comprising:
if the selection signal indicates selection of the identified upsell, storing signals
indicative of the identified upsell in a customer record, thereby associating the identified
20 upsell with a customer.

191. The method of claim 190, further comprising:
storing signals indicative of a first customer identifier for identifying a first customer
who donates the identified upsell; and

storing signals indicative of a second customer identifier for identifying a second customer who receives the donated upsell.

192. The method of claim 190, further comprising:

- 5 storing signals indicative of a first customer identifier for identifying a first customer who donates the identified upsell;
- storing signals indicative of a plurality of customer identifiers for identifying a plurality of customers; and
- selecting at least one of the plurality of customer identifiers, thereby selecting at least one
- 10 customer who receives the donated upsell.

193. The method of claim 181, further comprising:

storing a preferred-upsell signal indicative of an upsell for each of a plurality of customers.

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194. The method of claim 193, wherein the step of generating the selection signal comprises accessing the stored preferred-upsell signals, and generating the selection signal in dependence thereupon.

- 20 195. The method of claim 181, wherein the step of generating a rounded price comprises generating a rounded price in dependence on a whole number which is greater than the purchase price.

196. The method of claim 195, wherein the step of generating a rounded price comprises generating a rounded price in dependence on the smallest whole number which is greater than the purchase price.

5 197. The method of claim 181, wherein the step of generating a rounded price comprises generating a rounded price in dependence on a multiple of $\frac{1}{4}$ which is greater than the purchase price.

198. An apparatus for offering an upsell of a purchase, comprising:

10 a storage device; and

a processor connected to the storage device,

the storage device storing

a required payment amount, and

a program for controlling the processor; and

15 the processor operative with the program to

generate a purchase price of the purchase,

set a required payment amount to be equal to the purchase price,

generate a rounded price,

calculate a round-up amount, the round-up amount being a difference between the purchase

20 price and the rounded price,

generate a selection signal for indicating selection between the upsell and change, and

set the required payment amount to be equal to the rounded price if the selection signal

indicates selection of the upsell.

199. The apparatus of claim 198, wherein the processor is further operative with the program to generate a selection signal for indicating selection between the identified upsell and change.

5 200. The apparatus of claim 199, further comprising:
a printer connected to the processor for printing a voucher.

201. The apparatus of claim 200, wherein the processor is further operative with the program to drive the printer to print an identifier on the voucher.

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202. The apparatus of claim 200, wherein the storage device further stores an identifier database; and

wherein the processor is further operative with the program to:
generate a unique identifier;

15 store the unique identifier in the identifier database; and
drive the printer to print the unique identifier on the voucher.

203. The apparatus of claim 199, wherein the processor is further operative with the program to:

20 generate a date identifier in dependence on a date of the purchase; and
drive the printer to print the date identifier on the voucher.

204. The apparatus of claim 199, wherein the storage device further stores a database of offered upsells;

and wherein the processor is further operative with the program to:

- store the round-up amount in the database of offered upsells;
- store the identified upsell in the database of offered upsells; and
- store the selection signal in the database of offered upsells.

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205. The apparatus of claim 204, wherein the processor is further operative with the program to store a date of the purchase in the database of offered upsells.

206. The apparatus of claim 199, wherein the upsell comprises a game entry.

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207. The apparatus of claim 206, wherein the storage device further stores a game database, and

wherein the processor is further operative with the program to:

generate a unique identifier;

15 store the unique identifier in the game database; and

store the round-up amount in the game database.

208. The apparatus of claim 199, wherein the storage device further stores a customer record, and wherein the processor is further operative with the program to:

20 if the selection signal indicates selection of the identified upsell, store signals indicative of the identified upsell in the customer record, thereby associating the identified upsell with a customer.

209. The apparatus of claim 208, wherein the storage device further stores:

signals indicative of a first customer identifier for identifying a first customer who donates the identified upsell; and

signals indicative of a second customer identifier for identifying a second customer who receives the donated upsell.

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210. The apparatus of claim 208, wherein the storage device further stores:

signals indicative of a first customer identifier for identifying a first customer who donates the identified upsell; and

signals indicative of a plurality of customer identifiers for identifying a plurality of

10 customers;

and wherein the processor is further operative with the program to select at least one of the plurality of customer identifiers, thereby selecting at least one customer who receives the donated upsell.

15 211. The apparatus of claim 199, wherein the storage device further stores a preferred-
upsell signal indicative of an upsell for each of a plurality of customers.

212. The apparatus of claim 211, wherein the processor is further operative with the
program to access the stored preferred-upsell signals, and generate the selection signal in

20 dependence thereupon.

213. The apparatus of claim 198, wherein the processor is further operative with the
program to generate a rounded price in dependence on a whole number which is greater than
the purchase price.

214. The apparatus of claim 213, wherein the processor is further operative with the program to generate a rounded price in dependence on the smallest whole number which is greater than the purchase price.

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215. The apparatus of claim 198, wherein the processor is further operative with the program to generate a rounded price in dependence on a multiple of $\frac{1}{4}$ which is greater than the purchase price.

- 10 216. A method for determining an upsell of a purchase at a point-of-sale terminal, comprising:
- generating a purchase price of the purchase;
 - generating a rounded price;
 - calculating a round-up amount, the round-up amount being a difference between the
- 15 purchase price and the rounded price;
- generating a selection signal for indicating selection between the upsell and change; and
 - printing indicia indicative of the round-up amount if the selection signal indicates selection of the upsell.

- 20 217. An apparatus for determining an upsell of a purchase, comprising:
- a storage device;
 - a processor connected to the storage device; and
 - a printer connected to the processor,
- the storage device storing

a program for controlling the processor;

the processor operative with the program to

generate a purchase price of the purchase,

generate a rounded price,

- 5 calculate a round-up amount, the round-up amount being a difference between the purchase price and the rounded price, and

generate a selection signal for indicating selection between the upsell and change; and

the printer for printing indicia indicative of the round-up amount if the selection signal indicates selection of the upsell.

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218. A method for determining an upsell of a purchase at a point-of-sale terminal, the terminal storing a required payment amount, comprising:

generating a purchase price of the purchase;

generating a rounded price;

- 15 calculating a round-up amount, the round-up amount being a difference between the purchase price and the rounded price;

setting the required payment amount to be equal to the rounded price;

providing an upsell in exchange for the round-up amount.

- 20 219. A method for determining an upsell of a purchase, comprising:

maintaining a database of at least one upsell price and a corresponding upsell;

receiving a purchase price of the purchase;

generating a rounded price;

calculating a round-up amount, the round-up amount being a difference between the purchase price and the rounded price;
comparing the calculated round-up amount with at least one of the upsell prices in the database; and

- 5 if the calculated round-up amount corresponds to a compared upsell price,
 identifying at least one upsell in the database which corresponds to the compared upsell price, and
outputting signals indicative of the identified upsell.

- 10 220. The method of claim 219, further comprising:
 generating a selection signal for indicating selection between the identified upsell and change; and
transmitting the rounded price if the selection signal indicates selection of the identified upsell.

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221. The method of claim 220, wherein the step transmitting the rounded price comprises transmitting the rounded price to a register if the selection signal indicates selection of the identified upsell.

- 20 222. The method of claim 219, wherein the step of receiving the purchase price comprises receiving the purchase price of the purchase from a register.

223. An apparatus for determining an upsell of a purchase, comprising:
a storage device; and

a processor connected to the storage device;

the storage device storing

a database of at least one upsell price and a corresponding upsell, and

a program for controlling the processor;

- 5 the processor operative with the program to
- receive a purchase price of the purchase,
- generate a rounded price,
- calculate a round-up amount, the round-up amount being a difference between the purchase
- price and the rounded price,
- 10 comparing the calculated round-up amount with at least one of the upsell prices in the
- database, and
- if the calculated round-up amount corresponds to a compared upsell price,
- identify at least one upsell in the database which corresponds to the
- compared upsell price, and
- 15 output signals indicative of the identified upsell.

224. The apparatus of claim 223, wherein the processor is further operative with the

program to

generate a selection signal for indicating selection between the identified upsell and

20 change, and

transmit the rounded price if the selection signal indicates selection of the identified upsell.

225. The apparatus of claim 224, wherein the processor is further operative with the program to transmit the rounded price to a register if the selection signal indicates selection of the identified upsell.

5 226. The apparatus of claim 223, wherein the processor is further operative with the program to receive the purchase price of the purchase from a register.

227. A method for determining an upsell of a purchase at a register storing a required payment amount, the register communicating with a processing system, comprising:

10 generating a purchase price of the purchase;

setting the required payment amount to be equal to the purchase price;

transmitting the purchase price to the processing system; and

if a rounded price is received from the processing system, setting the required payment amount to be equal to the rounded price.

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228. An apparatus for determining an upsell of a purchase, the apparatus communicating with a processing system, comprising:

a storage device; and

a processor connected to the storage device;

20 the storage device storing

a required payment amount, and

a program for controlling the processor;

the processor operative with the program to

generate a purchase price of the purchase;

set the required payment amount to be equal to the purchase price;
transmit the purchase price to the processing system; and
if a rounded price is received from the processing system, set the required payment amount
to be equal to the rounded price.

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229. A method for facilitating the purchase of fractional lottery tickets using a point-of-sale terminal, comprising:

determining a monetary value;

allocating a portion of a ticket, the portion being based on the monetary value;

10 outputting a ticket identifier that identifies the ticket and a portion identifier that
identifies the allocated portion of the ticket; and
storing the ticket identifier and the portion identifier.

230. The method of claim 229, in which the step of determining a monetary value

15 comprises:

determining a monetary value based on an amount of change due for a purchase.

231. The method of claim 229, further comprising:

selecting the ticket from a plurality of tickets.

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232. The method of claim 231, in which the step of selecting the ticket from a plurality of
tickets comprises:

selecting a ticket having an unallocated portion at least as great as the monetary
value.

233. The method of claim 231, in which the step of selecting the ticket from a plurality of tickets comprises:

determining a set of tickets that each have an unallocated portion at least as great as

5 the monetary value; and

selecting a ticket from the set of tickets which has a minimal unallocated portion.

234. An apparatus for facilitating the purchase of fractional lottery tickets using a point-of-sale terminal, comprising:

10 a storage device; and

a processor connected to the storage device,

the storage device storing

a program for controlling the processor; and

the processor operative with the program to:

15 determine a monetary value;

allocate a portion of a ticket, the portion being based on the monetary value;

output a ticket identifier that identifies the ticket and a portion identifier that

identifies the allocated portion of the ticket; and

store the ticket identifier and the portion identifier in the storage device.

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235. The apparatus of claim 234, in which the processor is further operative with the program to:

determine a monetary value based on an amount of change due for a purchase.

236. The apparatus of claim 234, in which the processor is further operative with the program to:

select the ticket from a plurality of tickets.

5 237. The apparatus of claim 236, in which the processor is further operative with the program to:

select a ticket having an unallocated portion at least as great as the monetary value.

238. The apparatus of claim 236, in which the processor is further operative with the

10 program to:

determine a set of tickets that each have an unallocated portion at least as great as the monetary value; and

select a ticket from the set of tickets which has a minimal unallocated portion.

15 239. A method for facilitating the purchase of fractional lottery tickets using a point-of-sale terminal, comprising:

determining a monetary value;

allocating a portion of each ticket of a plurality of tickets, the portion of each ticket being associated with a portion of the monetary value;

20 outputting a plurality of ticket identifiers that identify the plurality of tickets and a plurality of portion identifiers that identify the allocated portions of each ticket; and

storing the ticket identifiers and the portion identifiers.

240. An apparatus for facilitating the purchase of fractional lottery tickets using a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

5 the storage device storing

a program for controlling the processor; and

the processor operative with the program to:

determine a monetary value;

allocate a portion of each ticket of a plurality of tickets, the portion of each

10 ticket being associated with a portion of the monetary value;

output a plurality of ticket identifiers that identify the plurality of tickets and

a plurality of portion identifiers that identify the allocated portions of each ticket; and

store the ticket identifiers and the portion identifiers in the storage device.

15 241. A method for facilitating the purchase of fractional lottery tickets using a point-of-sale terminal, comprising:

determining an amount of change due for a purchase;

determining a monetary value based on the amount of change due;

selecting a ticket from a plurality of tickets, the selected ticket having an unallocated

20 portion at least as great as the monetary value;

allocating at least a portion of the selected ticket, the portion being based on the monetary value;

outputting a ticket identifier that identifies the ticket and a portion identifier that identifies the allocated portion of the selected ticket; and

storing the ticket identifier and the portion identifier.

242. The method of claim 241, in which the step of determining a monetary value comprises:

- 5 rounding the amount of change due to a predetermined multiple, thereby generating a rounded change amount; and
- setting the monetary value equal to the rounded change amount.

243. The method of claim 242, in which the step of rounding the amount of change due
10 comprises:

 rounding down the amount of change due to a predetermined multiple, thereby generating a rounded-down change amount.

244. The method of claim 241, further comprising:

- 15 outputting an offer to exchange a fractional lottery ticket for change due.

245. An apparatus for facilitating the purchase of fractional lottery tickets using a point-of-sale terminal, comprising:

- a storage device; and
- 20 a processor connected to the storage device,
- the storage device storing
- a program for controlling the processor; and
- the processor operative with the program to:
- determine an amount of change due for a purchase;

determine a monetary value based on the amount of change due;

select a ticket from a plurality of tickets, the selected ticket having an unallocated portion at least as great as the monetary value;

allocate at least a portion of the selected ticket, the portion being based on the
5 monetary value;

output a ticket identifier that identifies the ticket and a portion identifier that identifies the allocated portion of the selected ticket; and

store the ticket identifier and the portion identifier in the storage device.

10 246. The apparatus of claim 245, in which the processor is further operative with the program to:

round the amount of change due to a predetermined multiple, thereby generating a rounded change amount; and

set the monetary value equal to the rounded change amount.

15

247. The apparatus of claim 246, in which the processor is further operative with the program to:

round down the amount of change due to a predetermined multiple, thereby generating a rounded-down change amount.

20

248. The apparatus of claim 245, in which the processor is further operative with the program to:

output an offer to exchange a fractional lottery ticket for change due.

249. A method for facilitating the purchase of fractional lottery tickets using a point-of-sale terminal, comprising:

receiving a ticket identifier that identifies a ticket and a portion identifier that identifies an allocated portion of the ticket;

- 5 determining a prize value of the ticket; and
determining a portion of the prize value based on the allocated portion of the ticket.

250. An apparatus for facilitating the purchase of fractional lottery tickets using a point-of-sale terminal, comprising:

- 10 a storage device; and
a processor connected to the storage device,
the storage device storing
a program for controlling the processor; and
the processor operative with the program to:
15 receive a ticket identifier that identifies a ticket and a portion identifier that identifies an allocated portion of the ticket;
determine a prize value of the ticket; and
determine a portion of the prize value based on the allocated portion of the ticket.

20

251. A method for facilitating the purchase of fractional lottery tickets using a point-of-sale terminal, comprising:

determining a monetary value;

allocating at least a portion of a ticket, the portion being based on the monetary value;

determining a prize value of the ticket; and

providing a portion of the prize value based on the allocated portion of the ticket.

5

252. An apparatus for facilitating the purchase of fractional lottery tickets using a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

10 the storage device storing

a program for controlling the processor; and

the processor operative with the program to:

determine a monetary value;

allocate at least a portion of a ticket, the portion being based on the monetary

15 value;

determine a prize value of the ticket; and

provide a portion of the prize value based on the allocated portion of the

ticket.

20 253. A method for facilitating the purchase of fractional lottery tickets using a point-of-sale terminal, comprising:

maintaining a supply of tickets, each ticket having an unallocated portion thereof;

acquiring an additional ticket.

254. The method of claim 253, in which the step of acquiring an additional ticket comprises:

counting a number of tickets having an unallocated portion that is above a first predetermined threshold; and

5 acquiring an additional ticket if the number of tickets having an unallocated portion that is above the first predetermined threshold is below a second predetermined threshold.

255. The method of claim 253, in which the step of acquiring an additional ticket comprises:

10 receiving an indication of a requested portion;

counting a number of tickets having an unallocated portion that is above the requested portion; and

acquiring an additional ticket if the number of tickets having unallocated portion that is above the requested portion is below a predetermined threshold.

15

256. The method of claim 253, in which the step of acquiring an additional ticket comprises:

acquiring a predetermined number of additional tickets.

20 257. The method of claim 253, further comprising:

calculating a sum of the unallocated portions of the tickets.

258. The method of claim 257, in which the step of acquiring an additional ticket comprises:

acquiring an additional ticket if the calculated sum is below a predetermined threshold.

259. An apparatus for facilitating the purchase of fractional lottery tickets using a point-

5 of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

the storage device storing

a program for controlling the processor; and

10 the processor operative with the program to:

maintain a supply of tickets, each ticket having an unallocated portion

thereof; and

acquire an additional ticket.

15 260. The apparatus of claim 259, in which the processor is further operative with the program to:

count a number of tickets having an unallocated portion that is above a first

predetermined threshold; and

acquire an additional ticket if the number of tickets having an unallocated portion

20 that is above the first predetermined threshold is below a second predetermined threshold.

261. The apparatus of claim 259, in which the processor is further operative with the program to:

receive an indication of a requested portion;

count a number of tickets having an unallocated portion that is above the requested portion; and

acquire an additional ticket if the number of tickets having unallocated portion that is above the requested portion is below a predetermined threshold.

5

262. The apparatus of claim 259, in which the processor is further operative with the program to:

acquire a predetermined number of additional tickets.

10 263. The apparatus of claim 259, in which the processor is further operative with the program to:

calculate a sum of the unallocated portions of the tickets.

15 264. The apparatus of claim 263, in which the processor is further operative with the program to:

acquire an additional ticket if the calculated sum is below a predetermined threshold.

265. A method for providing a supplementary product sale at a point-of-sale terminal, comprising:

20 receiving a purchase that includes at least one item;
determining an upsell based on the at least one item; and
outputting an indication of the upsell.

266. An apparatus for providing a supplementary product sale at a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

5 the storage device storing

a program for controlling the processor; and

the processor operative with the program to:

receive a purchase that includes at least one item;

determine an upsell based on the at least one item; and

10 output an indication of the upsell.

267. A method for providing a supplementary product sale at a point-of-sale terminal, comprising:

receiving a purchase that includes at least one item;

15 determining an upsell based on the at least one item;

determining a rounded price for the at least one item and the upsell; and

providing an offer to exchange the at least one item and the upsell for a rounded price.

20 268. The method of claim 267, further comprising:

receiving a response to the offer; and

exchanging the at least one item and the upsell for the rounded price.

269. An apparatus for providing a supplementary product sale at a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

5 the storage device storing

a program for controlling the processor; and

the processor operative with the program to:

receive a purchase that includes at least one item;

determine an upsell based on the at least one item;

10 determine a rounded price for the at least one item and the upsell; and

provide an offer to exchange the at least one item and the upsell for a rounded price.

270. The apparatus of claim 269, in which the processor is further operative with the

15 program to:

receive a response to the offer; and

exchange the at least one item and the upsell for the rounded price.

271. A method for providing a supplementary product sale at a point-of-sale terminal,

20 comprising:

receiving a purchase that includes at least one item;

determining a record in a database that corresponds to the at least one item;

determining an upsell based on the record; and

outputting an indication of the upsell.

272. The method of claim 271, further comprising:

determining a rounded price for the at least one item and the upsell.

5 273. The method of claim 272, in which the step of determining a rounded price comprises:

determining the rounded price based on the record.

274. The method of claim 272, in which the step of determining a rounded price

10 comprises:

determining a purchase price of the purchase;

determining a rounding multiple based on the record; and

rounding the purchase price in accordance with the rounding multiple, thereby
generating the rounded price.

15

275. The method of claim 272, in which the step of determining a rounded price comprises:

determining a purchase price of the purchase;

determining an upsell price based on the record; and

20 adding the purchase price to the upsell price, thereby generating the rounded price.

276. The method of claim 272, further comprising:

setting a required payment amount to be the rounded price.

277. The method of claim 271, in which the step of determining a record comprises:
determining a plurality of records in the database that each correspond to the at least one item;

determining a plurality of upsells, each upsell based on a record of the plurality of
5 records; and
outputting an indication of at least one upsell of the plurality of upsells.

278. An apparatus for providing a supplementary product sale at a point-of-sale terminal, comprising:

10 a storage device; and
a processor connected to the storage device,
the storage device storing
a program for controlling the processor; and
the processor operative with the program to:

15 receive a purchase that includes at least one item;
determine a record in a database that corresponds to the at least one item;
determine an upsell based on the record; and
output an indication of the upsell.

20 279. The apparatus of claim 278, in which the processor is further operative with the program to:

determine a rounded price for the at least one item and the upsell.

280. The apparatus of claim 279, in which the processor is further operative with the program to:

determine the rounded price based on the record.

5 281. The apparatus of claim 279, in which the processor is further operative with the program to:

determine a purchase price of the purchase;

determine a rounding multiple based on the record; and

round the purchase price in accordance with the rounding multiple, thereby

10 generating the rounded price.

282. The apparatus of claim 279, in which the processor is further operative with the program to:

determine a purchase price of the purchase;

15 determine an upsell price based on the record; and

add the purchase price to the upsell price, thereby generating the rounded price.

283. The apparatus of claim 279, in which the processor is further operative with the program to:

20 set a required payment amount to be the rounded price.

284. The apparatus of claim 278, in which the processor is further operative with the program to:

determine a plurality of records in the database that each correspond to the at least one item;

determine a plurality of upsells, each upsell based on a record of the plurality of records; and

5 output an indication of at least one upsell of the plurality of upsells.

285. A method for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

measuring an activity rate of a point-of-sale terminal; and

10 performing a supplementary process in accordance with the activity rate.

286. The method of claim 285, in which the step of performing a supplementary process comprises:

disabling a system for providing a supplementary process if the activity rate is

15 greater than a predetermined threshold.

287. The method of claim 285, in which the step of performing a supplementary process comprises:

enabling a system for providing a supplementary process if the activity rate is less

20 than a predetermined threshold.

288. The method of claim 285, further comprising:

determining a predetermined threshold in dependence on a signal indicative of time of day.

25

289. An apparatus for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

30 the storage device storing a program for controlling the processor; and

the processor operative with the program to:

measure an activity rate of a point-of-sale terminal; and

perform a supplementary process in accordance with the activity rate.

5 290. The apparatus of claim 289, in which the processor is further operative with the program to:

disable a system for providing a supplementary process if the activity rate is greater than a predetermined threshold.

10 291. The apparatus of claim 289, in which the processor is further operative with the program to:

enable a system for providing a supplementary process if the activity rate is less than a predetermined threshold.

15 292. The apparatus of claim 289, in which the processor is further operative to:

determine a predetermined threshold in dependence on a signal indicative of time of day.

20 293. A method for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

measuring an activity rate of a point-of-sale terminal;

providing a supplementary product offer in accordance with the activity rate and an offer schedule.

25 294. The method of claim 293, in which the offer schedule comprises a set of supplementary product offers, each supplementary product offer corresponding to a predetermined range of activity rates.

30 295. The method of claim 294, in which successively time-consuming supplementary product offers correspond to successively greater ranges of activity rates.

296. An apparatus for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

5 the storage device storing a program for controlling the processor; and

the processor operative with the program to:

measure an activity rate of a point-of-sale terminal; and

provide a supplementary product offer in accordance with the activity rate

and an offer schedule.

10

297. The apparatus of claim 296, in which the offer schedule comprises a set of supplementary product offers, each supplementary product offer corresponding to a predetermined range of activity rates.

15 298. The apparatus of claim 297, in which successively time-consuming supplementary product offers correspond to successively greater ranges of activity rates.

299. A method for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

20 measuring a criterion;

determining, based on the criterion, whether to disable a system for providing a supplementary process; and

disabling the system for providing a supplementary process.

25 300. An apparatus for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device, the storage device storing a program for controlling the processor; and

30 the processor operative with the program to:

measure a criterion;

determine, based on the criterion, whether to disable a system for providing a supplementary process; and

disable the system for providing a supplementary process.

5 301. A method for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

measuring a criterion;

determining, based on the criterion, whether to enable a system for providing a supplementary process; and

10 enabling the system for providing a supplementary process.

302. An apparatus for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

a storage device; and

15 a processor connected to the storage device, the storage device storing a program for controlling the processor; and

the processor operative with the program to:

measure a criterion;

determine, based on the criterion, whether to enable a system for providing a

20 supplementary process; and

enable the system for providing a supplementary process.

303. A method for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

25 measuring an activity rate of a plurality of point-of-sale terminals;

determining, based on the activity rate, whether to perform a supplementary process;

and

performing the supplementary process for at least one point-of-sale terminal.

30 304. The method of claim 303, in which the step of performing the supplementary process comprises:

performing the supplementary process for each point-of-sale terminal.

305. An apparatus for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

a storage device; and

5 a processor connected to the storage device,
the storage device storing a program for controlling the processor; and
the processor operative with the program to:

measure an activity rate of a plurality of point-of-sale terminals;

determine, based on the activity rate, whether to perform a supplementary

10 process; and

perform the supplementary process for at least one point-of-sale terminal.

306. The apparatus of claim 305, in which the processor is further operative with the program to:

15 perform the supplementary process for each point-of-sale terminal.

307. A method for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

measuring an activity rate of a plurality of point-of-sale terminals;

20 determining, based on the activity rate, whether to disable a system for providing a
supplementary process; and

disabling a system for providing a supplementary process for each of a plurality of
point-of-sale terminals.

25 308. An apparatus for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

the storage device storing a program for controlling the processor; and

30 the processor operative with the program to:

measure an activity rate of a plurality of point-of-sale terminals;

determine, based on the activity rate, whether to disable a system for providing a supplementary process; and

disable a system for providing a supplementary process for each of a plurality of point-of-sale terminals.

5

309. A method for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

measuring an activity rate of a point-of-sale terminal; and

if the activity rate is less than a predetermined threshold,

10

determining an upsell in dependence on a purchase,

determining an upsell price in dependence on the purchase, and

offering to exchange the upsell price for the upsell.

310. An apparatus for controlling the performance of a supplementary process at a point-

15 of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

the storage device storing a program for controlling the processor; and

the processor operative with the program to:

20

measure an activity rate of a point-of-sale terminal; and

if the activity rate is less than a predetermined threshold,

determine an upsell in dependence on a purchase,

determine an upsell price in dependence on the purchase, and

offer to exchange the upsell price for the upsell.

25

311. A method for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

receiving an override signal; and

performing a supplementary process in accordance with the override signal.

30

312. The method of claim 311, in which the step of performing comprises:

disabling a system for providing a supplementary process if the override signal does not indicate performance of the supplemental process.

313. The method of claim 311, in which the step of performing comprises:

5 enabling a system for providing a supplementary process if the override signal indicates performance of the supplemental process.

314. An apparatus for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

10 a storage device; and
a processor connected to the storage device,
the storage device storing a program for controlling the processor; and
the processor operative with the program to:
receive an override signal; and
15 perform a supplementary process in accordance with the override signal.

315. The apparatus of claim 314, in which the processor is further operative with the program to:

disable a system for providing a supplementary process if the override signal
20 does not indicate performance of the supplemental process.

316. The apparatus of claim 314, in which the processor is further operative with the program to:

enable a system for providing a supplementary process if the override signal
25 indicates performance of the supplemental process.

317. A method for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

receiving an override signal; and
30 if the override signal indicates performance of a supplemental process,
determining an upsell in dependence on a purchase,
determining an upsell price in dependence on the purchase, and

offering to exchange the upsell price for the upsell.

318. An apparatus for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

- 5 a storage device; and
- a processor connected to the storage device,
- the storage device storing a program for controlling the processor; and
- the processor operative with the program to:
 - receive an override signal; and
- 10 if the override signal indicates performance of a supplemental process,
 - determine an upsell in dependence on a purchase,
 - determine an upsell price in dependence on the purchase, and
 - offer to exchange the upsell price for the upsell.

15 319. A method for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

- measuring an activity rate of a point-of-sale terminal; and
- if the activity rate is below a first predetermined threshold, offering a first upsell having an first offer speed; and
- 20 if the activity rate is above a second predetermined threshold, offering a second upsell having a second offer speed greater than the first offer speed.

320. An apparatus for controlling the performance of a supplementary process at a point-of-sale terminal, comprising:

- 25 a storage device; and
- a processor connected to the storage device,
- the storage device storing a program for controlling the processor; and
- the processor operative with the program to:
 - measure an activity rate of a point-of-sale terminal; and
- 30 if the activity rate is below a first predetermined threshold,
 - offer a first upsell having an first offer speed; and
- if the activity rate is above a second predetermined threshold,

offer a second upsell having a second offer speed greater than the first offer speed.

321. A method for processing a supplementary product sale at a point-of-sale terminal,

5 comprising:

receiving a rounding code; and

rounding a purchase price based on the rounding code.

322. An apparatus for processing a supplementary product sale at a point-of-sale terminal,

10 comprising:

a storage device; and

a processor connected to the storage device,

the storage device storing

a program for controlling the processor; and

15 the processor operative with the program to:

receive a rounding code; and

round a purchase price based on the rounding code.

323. A method for processing a supplementary product sale at a point-of-sale terminal,

20 comprising:

receiving a rounding code, the rounding code having a corresponding rounding multiple; and

rounding a purchase price based on the rounding multiple.

324. An apparatus for processing a supplementary product sale at a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

5 the storage device storing

a program for controlling the processor; and

the processor operative with the program to:

receive a rounding code, the rounding code having a corresponding rounding multiple; and

10 round a purchase price based on the rounding multiple.

325. A method for processing a supplementary product sale at a point-of-sale terminal, comprising:

receiving a rounding code;

15 determining a rounding multiple corresponding to the rounding code; and

rounding a purchase price based on the rounding multiple.

326. An apparatus for processing a supplementary product sale at a point-of-sale terminal, comprising:

20 a storage device; and

a processor connected to the storage device,

the storage device storing

a program for controlling the processor; and

the processor operative with the program to:

receive a rounding code;
determine a rounding multiple corresponding to the rounding code; and
round a purchase price based on the rounding multiple.

327. A method for processing a supplementary product sale at a point-of-sale terminal,

5 comprising:

receiving a plurality of rounding codes, each rounding code having a corresponding
rounding multiple and fixed price;
determining a purchase price; and
rounding the purchase price based on the rounding codes.

10

328. The method of claim 327, in which the step of rounding comprises:

adding at least one of the fixed prices to the purchase price, thereby generating an
augmented purchase price; and
rounding the augmented purchase price based on a rounding multiple.

15

329. The method of claim 327, in which the step of rounding comprises:

rounding the purchase price based on a rounding multiple, thereby generating an
augmented purchase price; and
adding at least one of the fixed prices to the augmented purchase price.

20

330. The method of claim 327, in which the step of rounding comprises:

selecting a rounding code, thereby defining a selected rounding code and a set of
unselected rounding codes.

331. The method of claim 330, in which the step of rounding further comprises:

adding the fixed price of each unselected rounding code to the purchase price,
thereby generating an augmented purchase price; and

rounding the augmented purchase price based on the rounding multiple of the

5 selected rounding code.

332. The method of claim 330, in which the step of rounding further comprises:

rounding the purchase price based on the rounding multiple of the selected rounding
code, thereby generating an augmented price; and

10 adding the fixed price of each unselected rounding code to the augmented price.

333. The method of claim 330, in which the step of selecting a rounding code comprises:

selecting a rounding code having a rounding multiple that is not greater than the
rounding multiple of each unselected rounding code.

15

334. The method of claim 330, in which the step of selecting a rounding code comprises:

selecting a rounding code having a minimal rounding multiple.

335. The method of claim 327, in which the fixed price and the rounding multiple of each

20 rounding code are equal.

336. An apparatus for processing a supplementary product sale at a point-of-sale terminal,
comprising:

a storage device; and

a processor connected to the storage device,
the storage device storing

a program for controlling the processor; and

the processor operative with the program to:

- 5 receive a plurality of rounding codes, each rounding code having a
corresponding rounding multiple and fixed price;
determine a purchase price; and
round the purchase price based on the rounding codes.

- 10 337. The apparatus of claim 336, in which the processor is further operative with the
program to:

add at least one of the fixed prices to the purchase price, thereby generating an
augmented purchase price; and
round the augmented purchase price based on a rounding multiple.

15

338. The apparatus of claim 336, in which the processor is further operative with the
program to:

round the purchase price based on a rounding multiple, thereby generating an
augmented purchase price; and

- 20 add at least one of the fixed prices to the augmented purchase price.

339. The apparatus of claim 336, in which the processor is further operative with the
program to:

select a rounding code, thereby defining a selected rounding code and a set of unselected rounding codes.

340. The apparatus of claim 339, in which the processor is further operative with the
5 program to:

add the fixed price of each unselected rounding code to the purchase price, thereby generating an augmented purchase price; and

round the augmented purchase price based on the rounding multiple of the selected rounding code.

10

341. The apparatus of claim 339, in which the processor is further operative with the program to:

round the purchase price based on the rounding multiple of the selected rounding code, thereby generating an augmented price; and

15 add the fixed price of each unselected rounding code to the augmented price.

342. The apparatus of claim 339, in which the processor is further operative with the program to:

20 select a rounding code having a rounding multiple that is not greater than the rounding multiple of each unselected rounding code.

343. The apparatus of claim 339, in which the processor is further operative with the program to:

select a rounding code having a minimal rounding multiple.

344. The apparatus of claim 336, in which the fixed price and the rounding multiple of each rounding code are equal.

5 345. A method for controlling offers that are provided at a point-of-sale terminal, comprising:

providing a plurality of offers at a point-of-sale terminal;

measuring a performance rate of each offer, thereby defining a plurality of performance rates;

10 selecting a subset of offers based on at least one of the plurality of performance rates; and

providing the subset of offers at a point-of-sale terminal.

346. The method of claim 345, in which the step of providing a plurality of offers is performed during a first time period; and in which the step of providing the subset of offers is performed during a second time period which is subsequent to the first time period.

347. The method of claim 345, in which the step of providing a plurality of offers comprises:

20 providing an offer of the plurality of offers at each of a plurality of terminals.

348. The method of claim 345, further comprising:

measuring a performance rate of the subset; and

if the performance rate of the subset is less than a predetermined threshold,

providing the plurality of offers after the step of providing the subset of offers.

349. The method of claim 345, in which the step of selecting a subset of offers comprises:

5 selecting offers that have at least a predetermined performance rate.

350. The method of claim 345, in which the step of selecting a subset of offers comprises:

selecting a predetermined number of highest-performing offers.

10 351. An apparatus for controlling offers that are provided at a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

the storage device storing a program for controlling the processor; and

15 the processor operative with the program to:

provide a plurality of offers at a point-of-sale terminal;

measure a performance rate of each offer, thereby defining a plurality of

performance rates;

select a subset of offers based on at least one of the plurality of performance

20 rates; and

provide the subset of offers at a point-of-sale terminal.

352. The apparatus of claim 351, in which the processor is further operative with the program to:

provide a plurality of offers during a first time period; and

provide the subset of offers during a second time period which is subsequent to the first time period.

5 353. The apparatus of claim 351, in which the processor is further operative with the program to provide an offer of the plurality of offers at each of a plurality of terminals.

354. The apparatus of claim 351, in which the processor is further operative with the program to:

10 measure a performance rate of the subset; and
if the performance rate of the subset is less than a predetermined threshold,
provide the plurality of offers after a provision of the subset of offers.

355. The apparatus of claim 351, in which the processor is further operative with the
15 program to select offers that have at least a predetermined performance rate.

356. The method of claim 351, in which the processor is further operative with the program to select a predetermined number of highest-performing offers.

20 357. A method for controlling offers that are provided at a point-of-sale terminal, comprising:

providing a first offer at a point-of-sale terminal;
measuring a performance rate of the first offer; and
if the performance rate of the first offer is below a predetermined threshold,

providing a second offer at a point-of-sale terminal.

358. An apparatus for controlling offers that are provided at a point-of-sale terminal, comprising:

- 5 a storage device; and
- a processor connected to the storage device,
- the storage device storing a program for controlling the processor; and
- the processor operative with the program to:
 - provide a first offer at a point-of-sale terminal;
 - 10 measure a performance rate of the first offer; and
 - if the performance rate of the first offer is below a predetermined threshold,
 - provide a second offer at a point-of-sale terminal.

359. A method for controlling offers that are provided at a point-of-sale terminal, comprising:

- 15 providing a first offer at a first point-of-sale terminal;
- providing a second offer at a second point-of-sale terminal;
- measuring a performance rate of the first offer;
- measuring a performance rate of the second offer; and
- if the performance rate of the second offer is less than the performance rate of the
- 20 first offer,
- providing the first offer at the second point-of-sale terminal.

360. An apparatus for controlling offers that are provided at a point-of-sale terminal, comprising:

a storage device; and
a processor connected to the storage device,
the storage device storing a program for controlling the processor; and
the processor operative with the program to:

- 5 provide a first offer at a first point-of-sale terminal;
 provide a second offer at a second point-of-sale terminal;
 measure a performance rate of the first offer;
 measure a performance rate of the second offer; and
 if the performance rate of the second offer is less than the performance rate of the
10 first offer,
 provide the first offer at the second point-of-sale terminal.

361. A method for controlling offers that are provided at a point-of-sale terminal,
comprising:

- 15 for each of a plurality of purchases,
 determining an upsell in dependence on the purchase,
 determining an upsell price, each upsell price being based on a purchase, and
 offering to exchange the upsell price for the upsell;
 measuring a performance rate of each upsell, thereby defining a plurality of
20 performance rates;
 selecting a subset of upsells based on at least one of the plurality of performance
rates; and
 providing the subset of upsells at a point-of-sale terminal.

362. An apparatus for controlling offers that are provided at a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

5 the storage device storing a program for controlling the processor; and

the processor operative with the program to, for each of a plurality of purchases:

determine an upsell in dependence on the purchase,

determine an upsell price, each upsell price being based on a purchase, and

offer to exchange the upsell price for the upsell;

10 measure a performance rate of each upsell, thereby defining a plurality of performance rates;

select a subset of upsells based on at least one of the plurality of performance rates; and

provide the subset of upsells at a point-of-sale terminal.

15

363. A method for determining an upsell of a purchase at a point-of-sale terminal, comprising:

determining an upsell in dependence on the purchase; and

offering to exchange the upsell price for the upsell.

20

364. An apparatus for determining an upsell of a purchase at a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

the storage device storing

a program for controlling the processor; and the processor operative with the
program to:

determine an upsell in dependence on the purchase; and

5 offer to exchange the upsell price for the upsell.

365. A method for determining an upsell of a purchase at a point-of-sale terminal,
comprising:

generating a purchase price of the upsell;

10 determining an upsell price in dependence on the purchase price; and
offering to exchange the upsell for the upsell price.

366. An apparatus for determining an upsell of a purchase at a point-of-sale terminal,
comprising:

15 a storage device; and

a processor connected to the storage device,

the storage device storing

a program for controlling the processor; and the processor operative with the
program to:

20

generate a purchase price of the upsell;

determine an upsell price in dependence on the purchase price; and

offer to exchange the upsell for the upsell price.

367. A method for determining an upsell of a purchase at a point-of-sale terminal, comprising:

generating a purchase price of the purchase;

generating a rounded price;

5 calculating a round-up amount, the round-up amount being a difference between the purchase price and the rounded price;

determining an upsell in dependence on the round-up amount; and

outputting a signal indicative of the upsell.

10 368. An apparatus for determining an upsell of a purchase at a point-of-sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

the storage device storing

15 a program for controlling the processor; and the processor operative with the program to:

generate a purchase price of the purchase;

generate a rounded price;

calculate a round-up amount, the round-up amount being a difference between the

20 purchase price and the rounded price;

determine an upsell in dependence on the round-up amount; and

output a signal indicative of the upsell.

369. A method for determining an upsell of a purchase at a point-of -sale terminal, comprising:

generating a purchase price of a purchase;

generating a rounded price;

5 calculating a round-up amount, the round-up amount being a difference between the purchase price and the rounded price;

determining an upsell in dependence on the round up amount; and offering to exchange the round-up amount for the upsell.

10 370. An apparatus for determining an upsell of a purchase at a point-of -sale terminal, comprising:

a storage device; and

a processor connected to the storage device,

the storage device storing

15 a program for controlling the processor; and the processor operative with the program to:

generate a purchase price of a purchase;

generate a rounded price;

calculate a round-up amount, the round-up amount being a difference between the

20 purchase price and the rounded price;

determine an upsell in dependence on the round up amount; and

offer to exchange the round-up amount for the upsell.

1/79

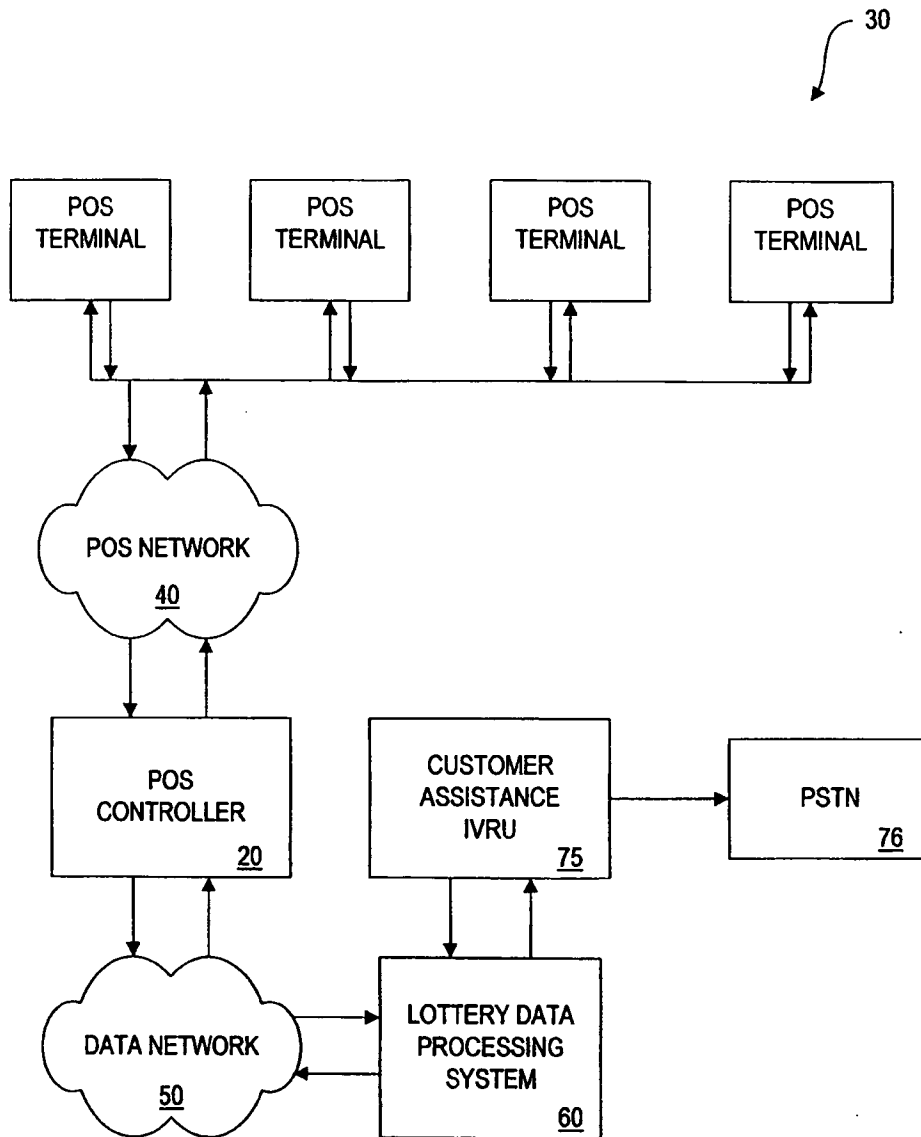


FIG. 1

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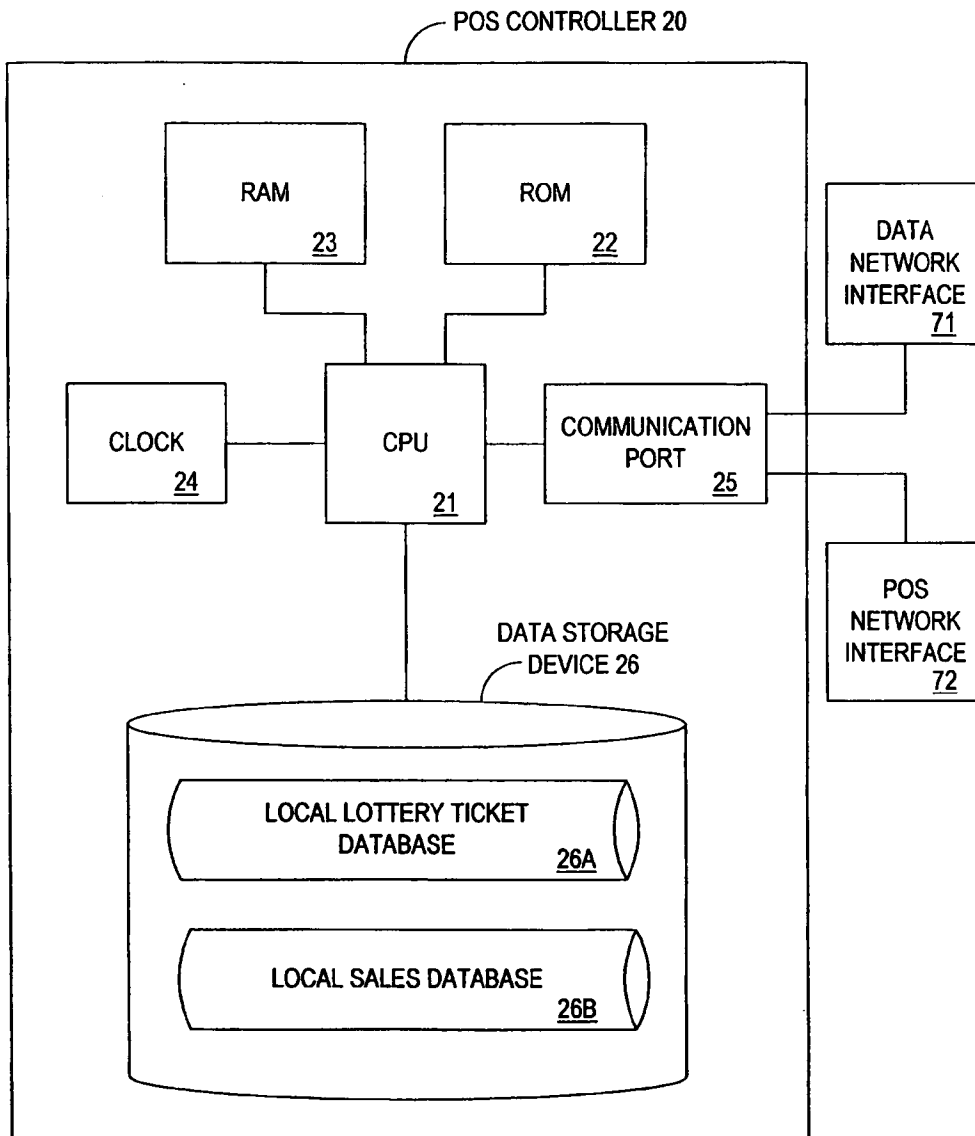


FIG. 2

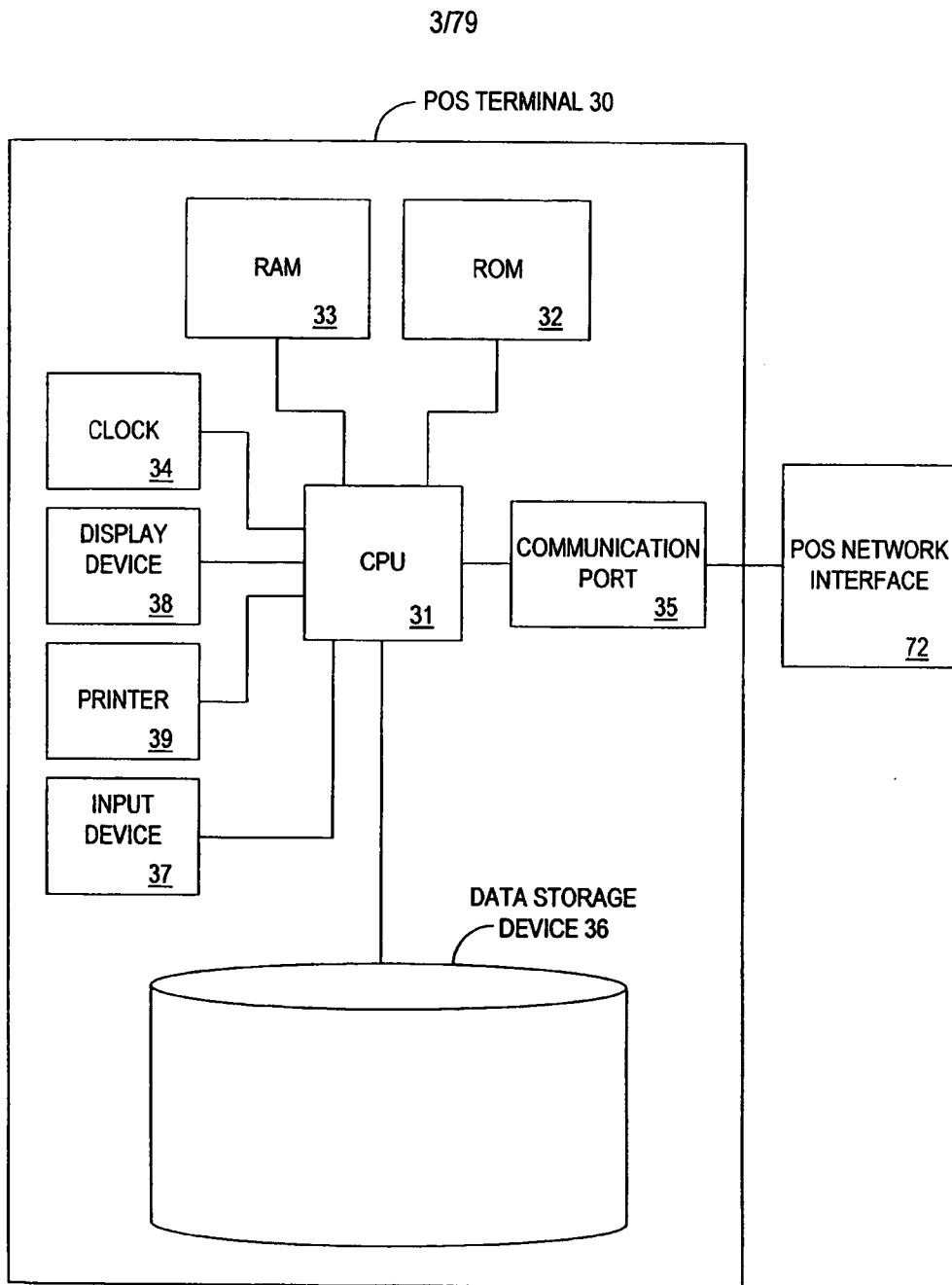


FIG. 3

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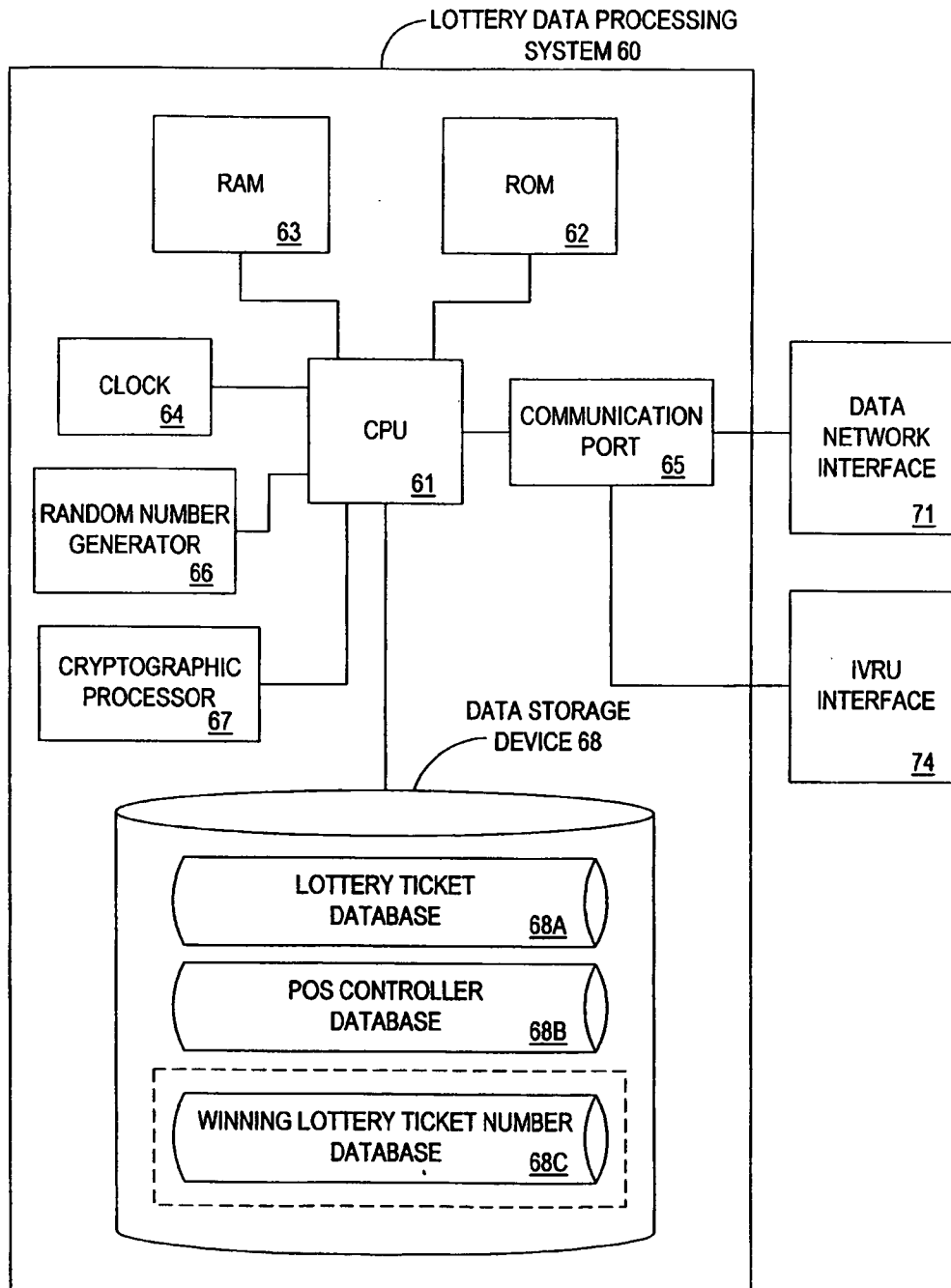


FIG. 4

LOCAL LOTTERY TICKET DATABASE 26A

DATE F1	SALES RECEIPT NUMBER F2	NUMBER OF TICKETS PURCHASED F3	SALE AMOUNT F4	LOTTERY TICKET NUMBERS F5
1/15/97	4532	1	\$1.00	01,12,34...
1/15/97	4533	4	\$4.00	02,07,23... 01,17,46... 11,34,56... 22,33,44...
1/15/97	4534	1	\$0.68	33,17,92...

R1

FIG. 5

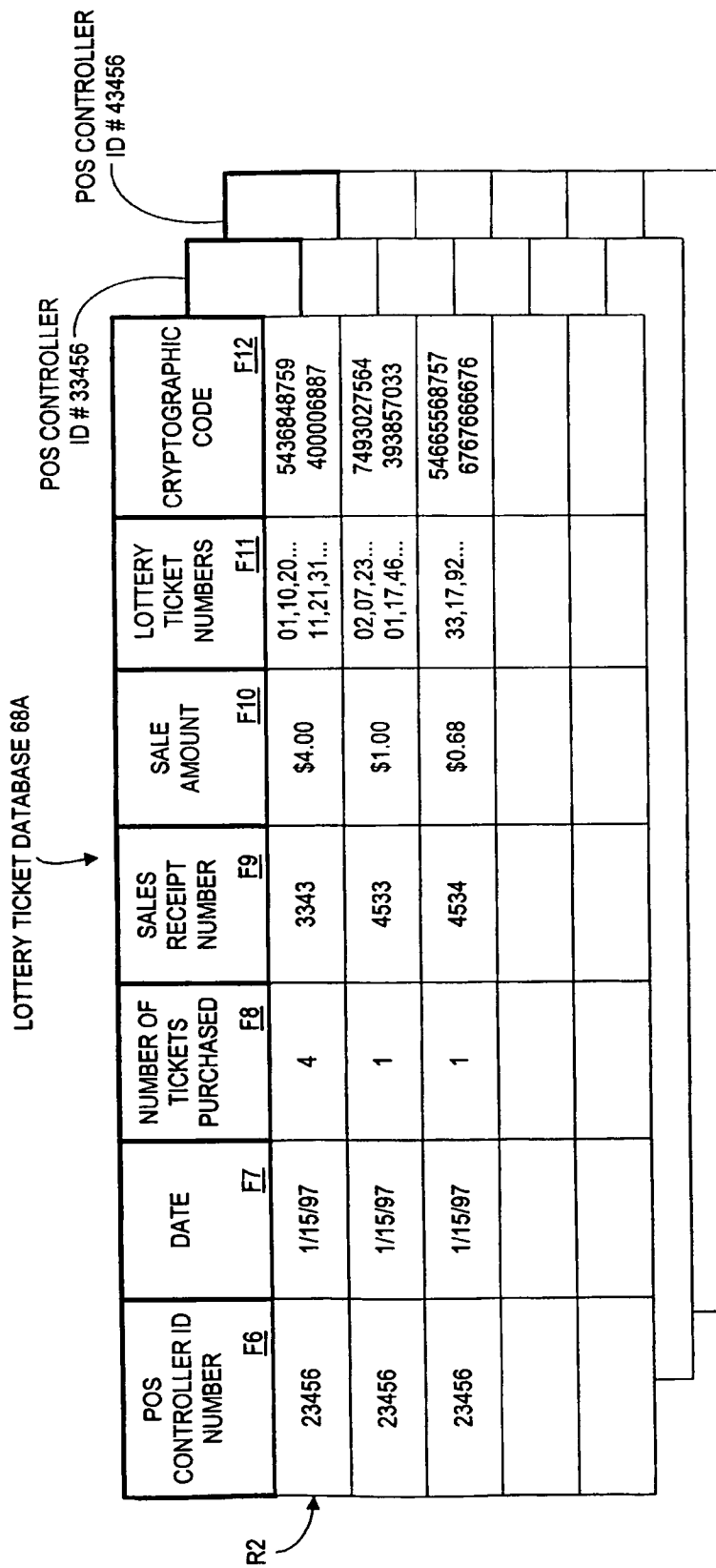


FIG. 6

POS CONTROLLER DATABASE 68B

POS CONTROLLER ID NUMBER F13	POS CONTROLLER NAME F14	POS CONTROLLER LOCATION F15	TELEPHONE NUMBER F16
23456	MINI MART AND GROCERY	STAMFORD, CT 06905	(203)555-1234

R3

FIG. 7

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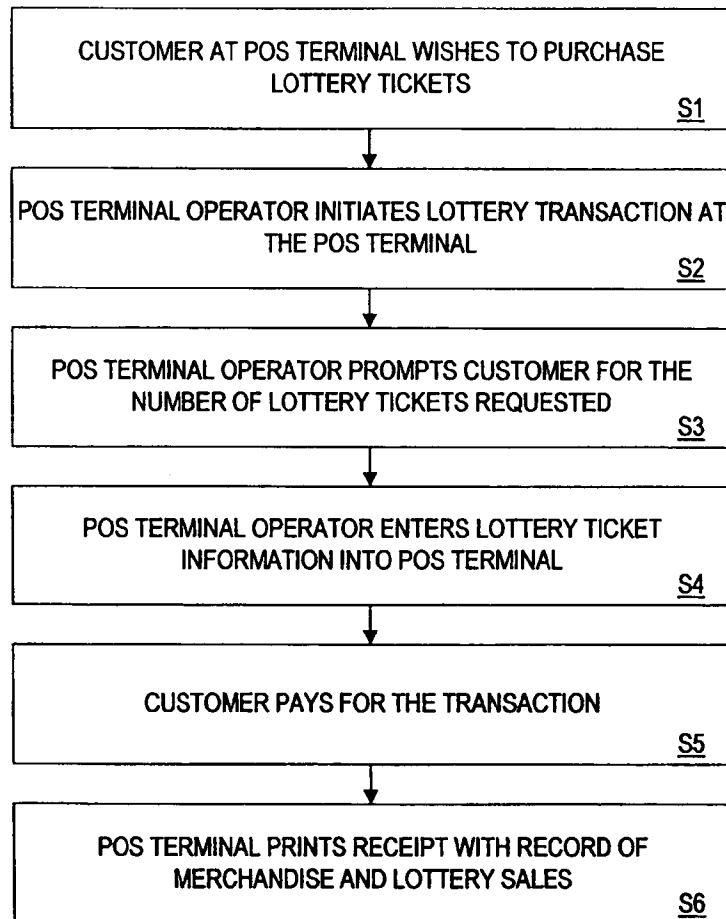


FIG. 8

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80

MINI-MART GROCERY STORE

FRUIT	2.50
BEVERAGES	15.00
BREAD	4.50
VEGETABLES	1.00
DAIRY	3.50
CEREAL	12.50
STEAK	35.00
VEAL	25.00
LOTTERY TICKETS	3.68
<hr/>	
TAX	5.32
<hr/>	
TOTAL	\$108.00

THANK YOU!

CONNECTICUT
L O T T E R Y

	PRICE	
TICKET 1	\$1	01 10 20 30 36 39
TICKET 2	\$1	11 21 24 25 32 33
TICKET 3	\$1	07 09 11 13 15 17
TICKET 4	\$0.68	08 13 15 16 27 41

83

84

85

86

89

STORE ID #: 23456

RECEIPT #: 3343

DATE: 1/15/97

TIME: 4:20 PM

PRICE: \$3.68

CALL 1800-XXX-XXXX FOR INFORMATION REGARDING RESULTS,
QUESTIONS, AND AUTHENTICATION

88

***** 5765685699 *****

4040545886

AUTHENTICATION CODE

87

FIG. 9

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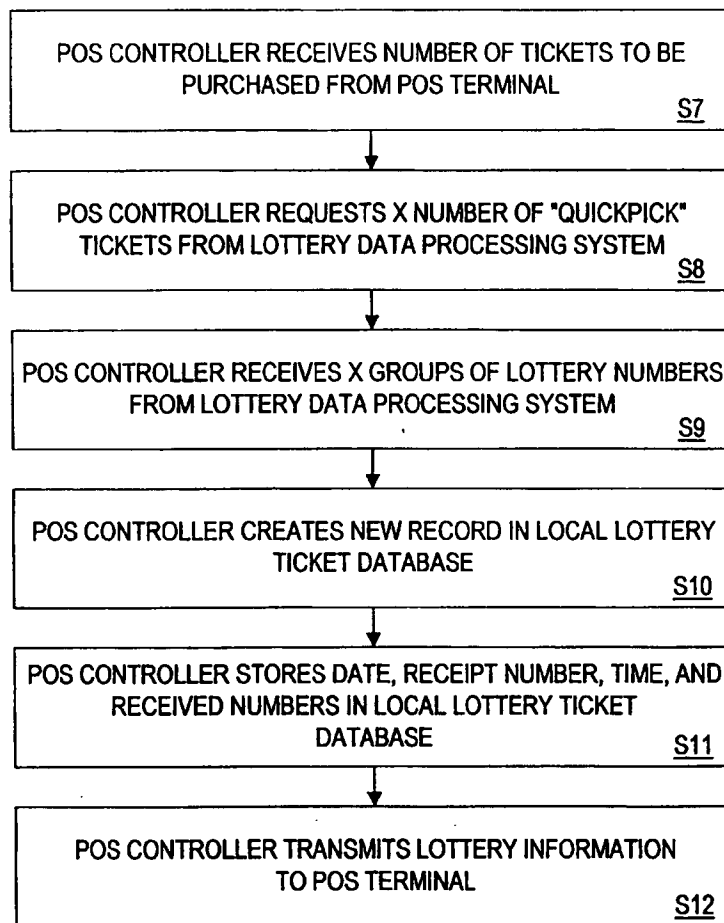


FIG. 10

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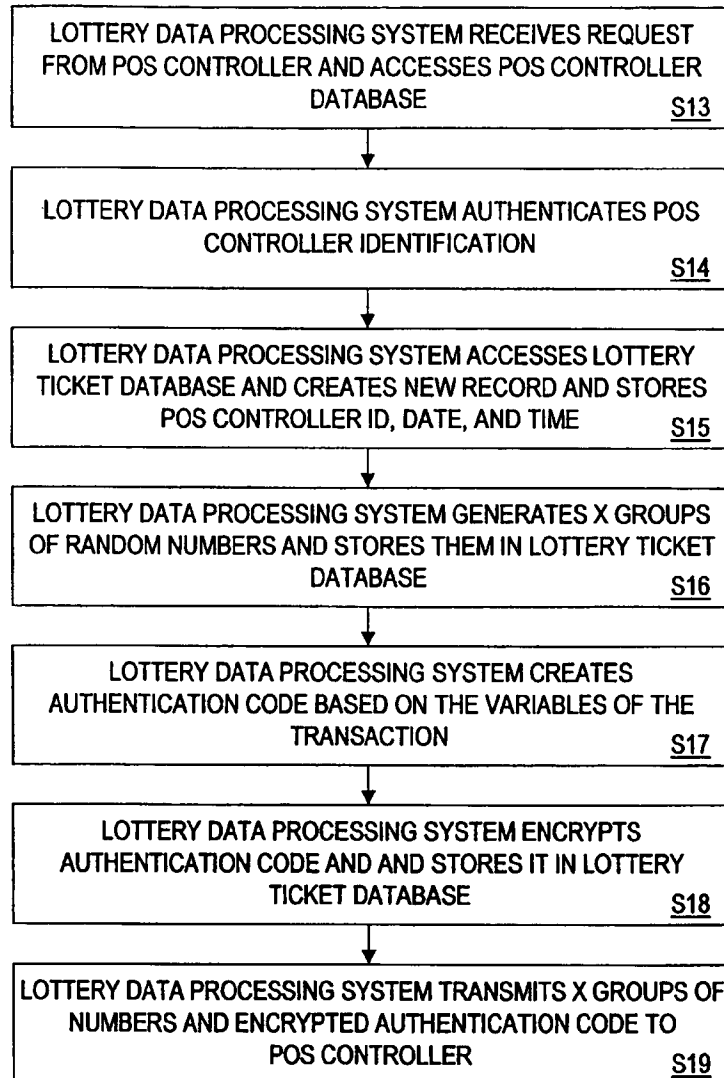


FIG. 11

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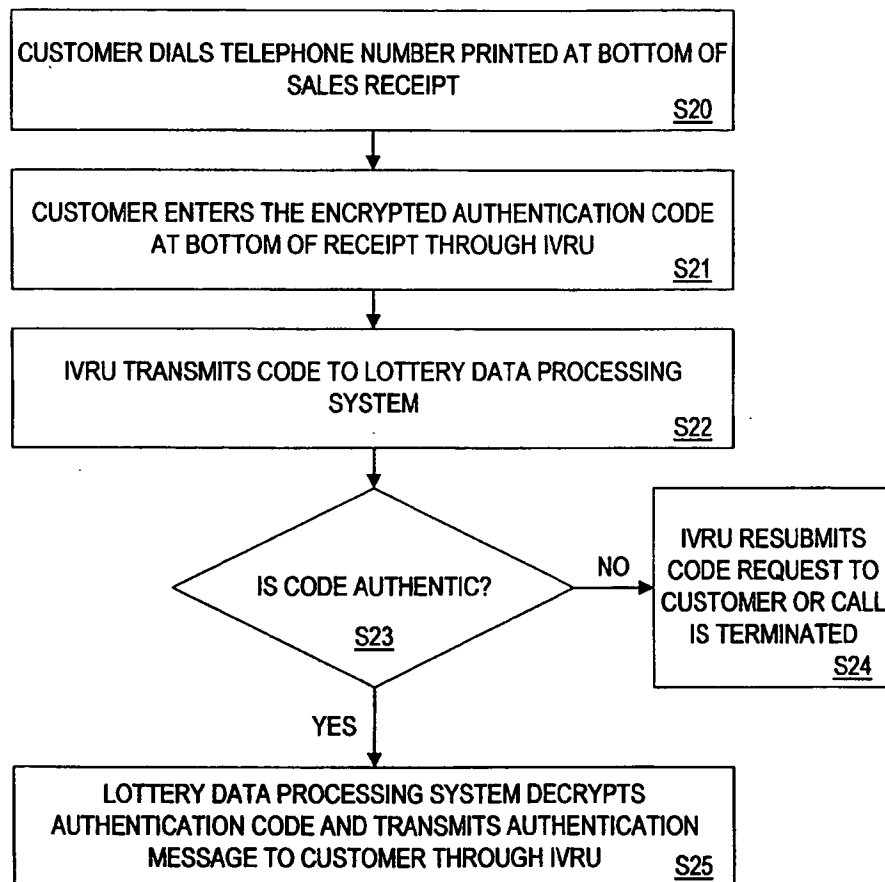


FIG. 12

13/79

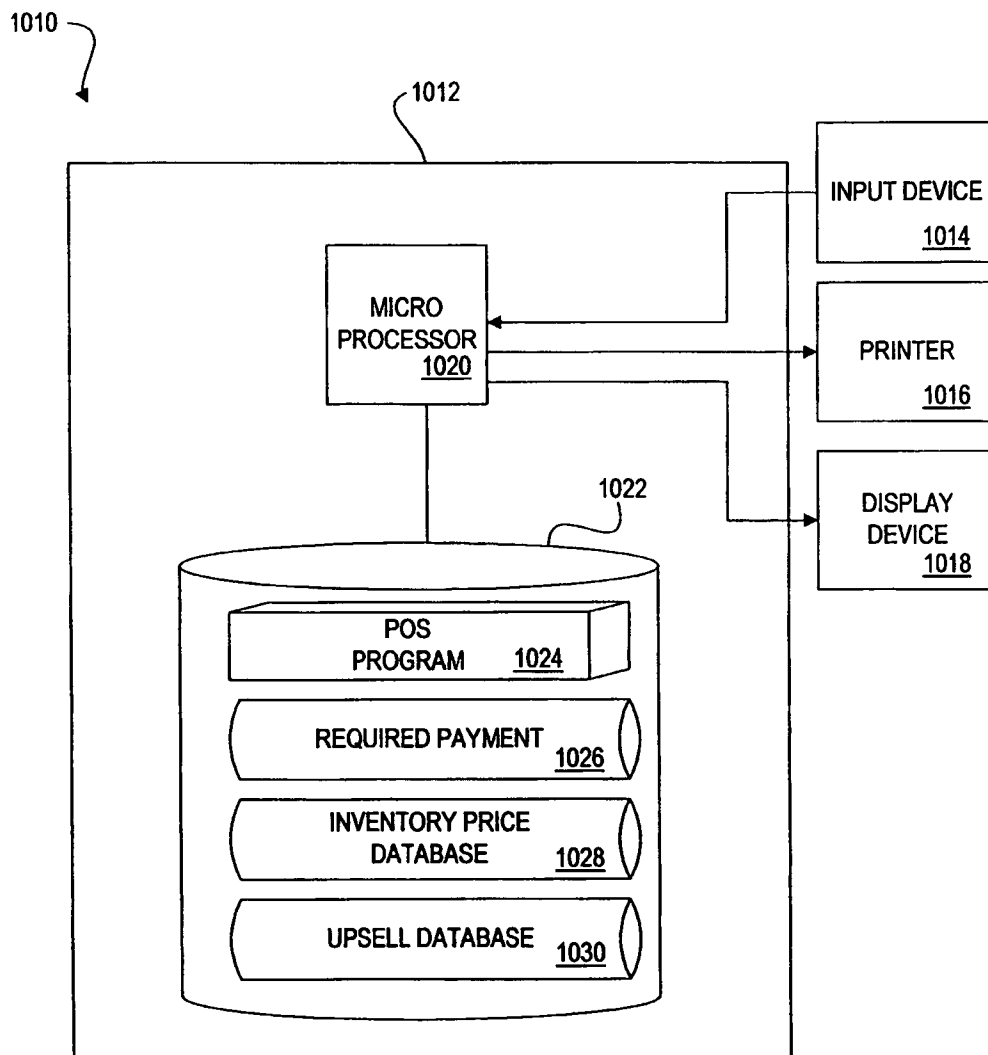


FIG. 13A

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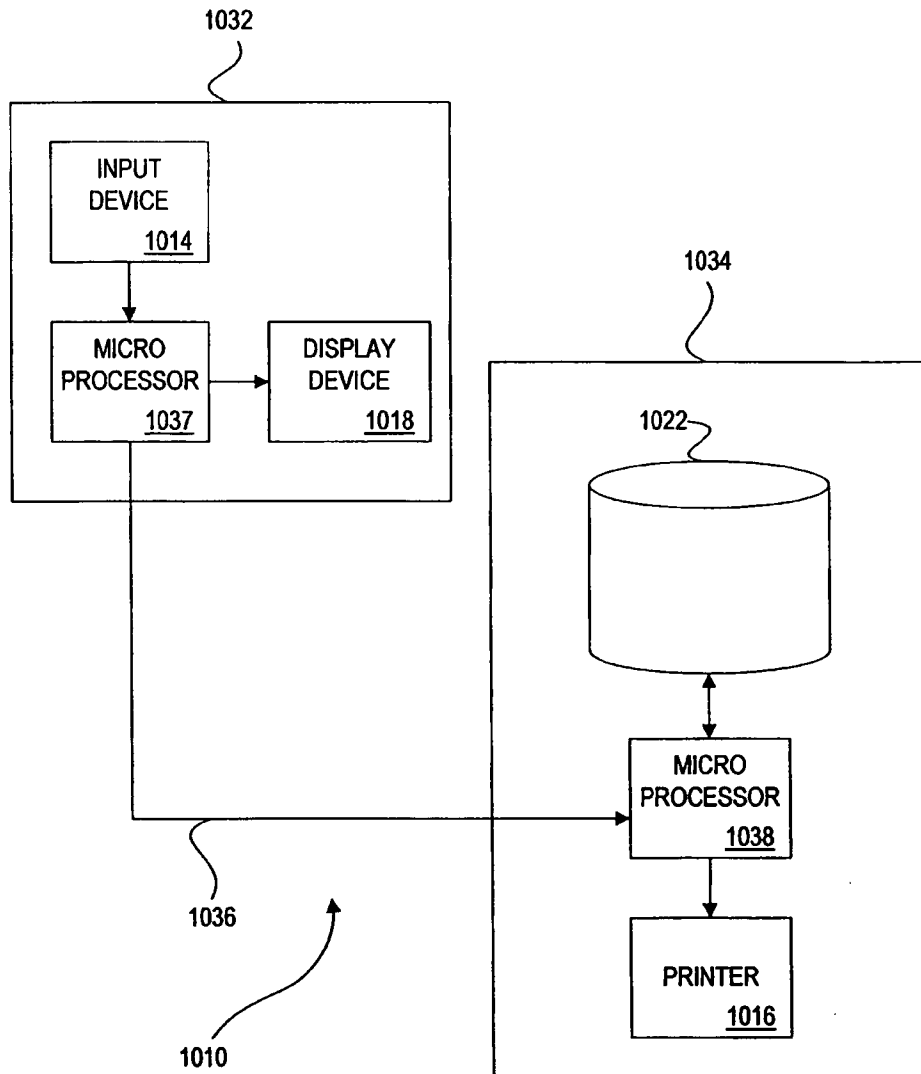


FIG. 13B

15/79

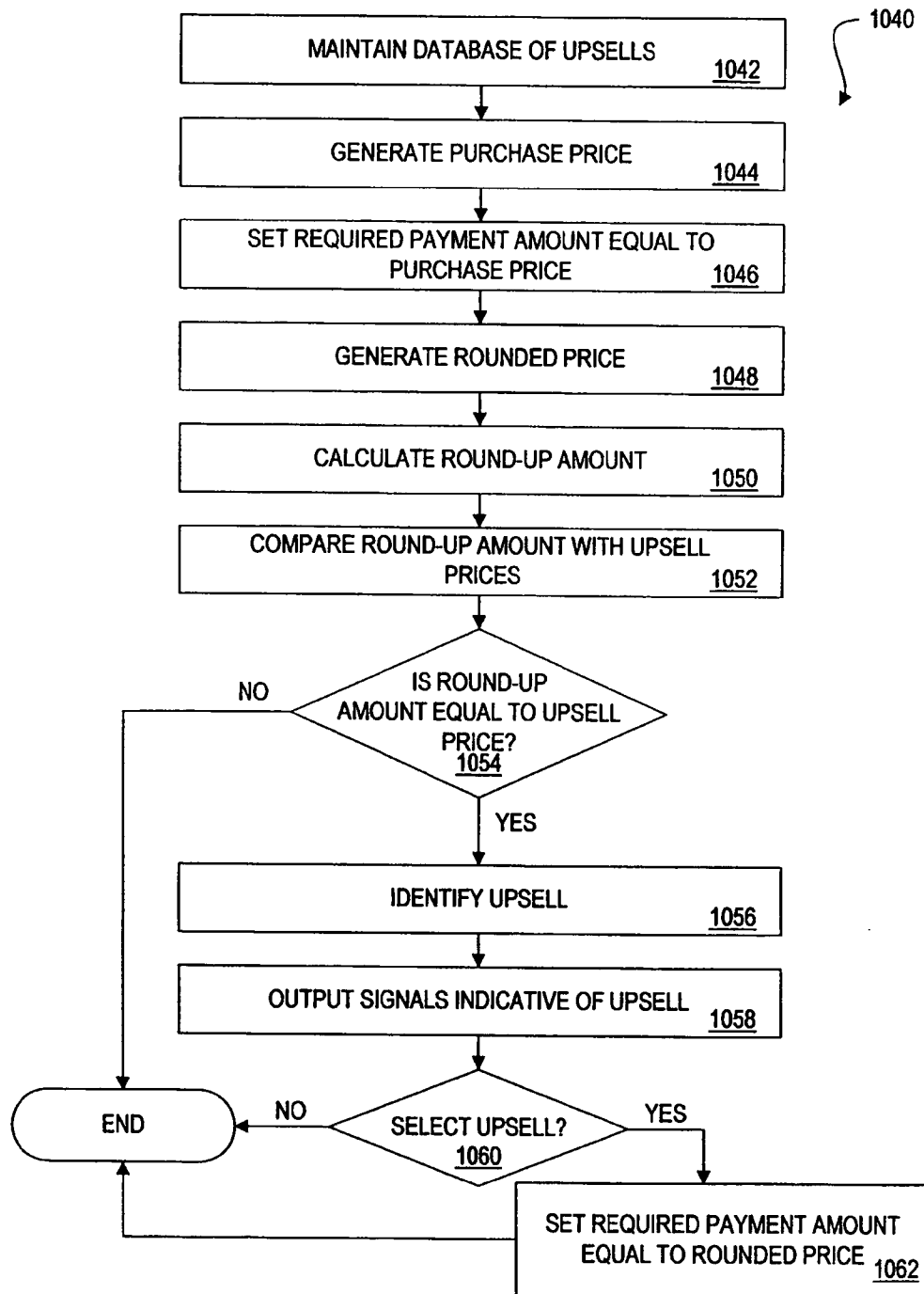


FIG. 14

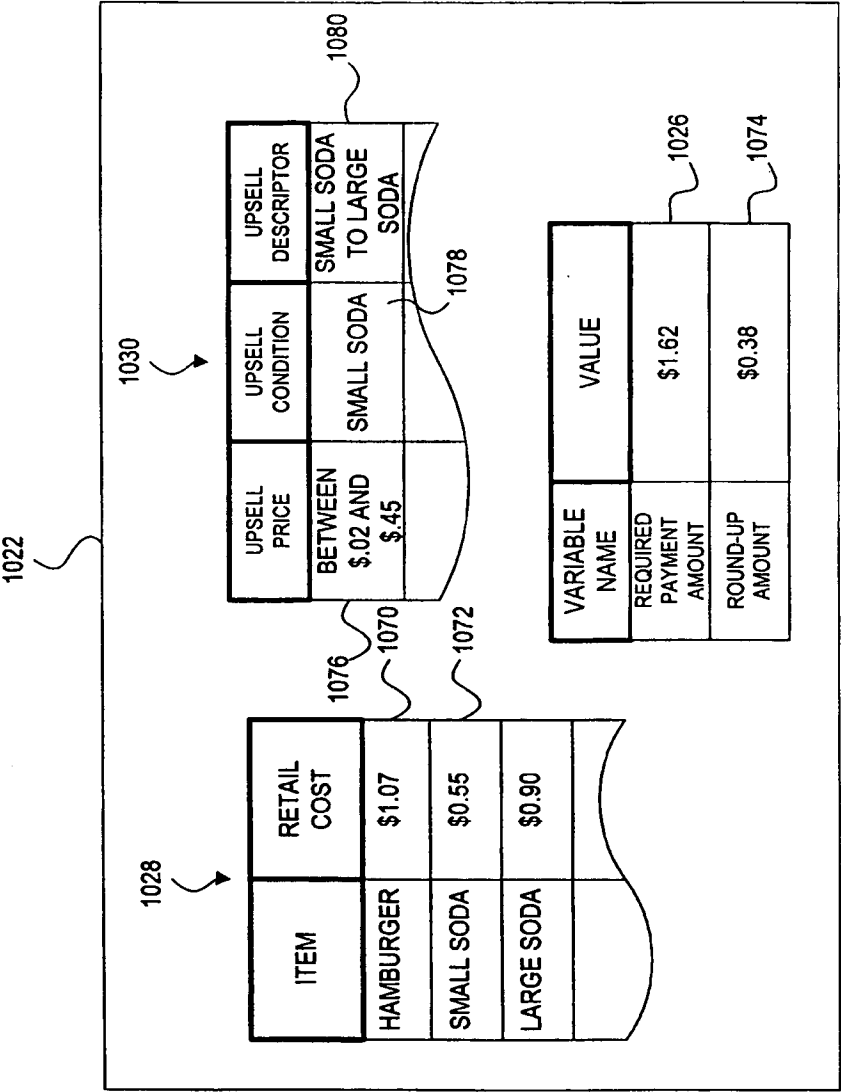


FIG. 15

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1090



UPSELL CODE(S) 1104	UPSELL PRICE 1092	ITEMS PURCHASED 1096	CUSTOMER ID REQUIRED? 1098	CUSTOMER PREFERENCES 1100	TIME PURCHASED 1102	COST 1103	UPSELL DESCRIPTOR 1094
A	BETWEEN \$.02 AND \$.45	SMALL SODA	NO	NA	NA	\$0.02	SMALL SODA TO LARGE SODA
B	BETWEEN \$.50 AND \$.80	8	YES	NA	NA	\$0.50	X LARGE COLA UPGRADE, DELUXE TACO UPGRADE, FREE TACO COUPON
C	MORE THAN \$.70	NA	NO	NA	NA	\$0.70	FREE TACO COUPON
D	BETWEEN \$.30 AND \$.70	HAMBURGER	NO	NA	NA	\$0.25	PROMOTIONAL CUP
E	BETWEEN \$1.50 AND \$3.50	NA	YES	NA	> 5:00PM	\$1.00	MOVIE TICKET
F	BETWEEN \$.20 AND \$.60	1,5	NO	NA	NA	\$0.20	X LARGE COLA UPGRADE, DELUXE TACO UPGRADE
G	LESS THAN \$.20	2	NO	NA	NA	\$0.00	LARGE COLA UPGRADE
H	BETWEEN \$.05 AND \$.20	5	NO	NA	NA	\$0.05	DELUXE TACO UPGRADE
I	LESS THAN \$.50	3	YES	5, 7, 3	NA	\$0.01	X LARGE COLA UPGRADE, FREE TACO COUPON

FIG. 16

1110
↪

CUSTOMER ID 1112	CUSTOMER NAME 1114	ADDRESS 1116	PHONE 1118	HISTORICAL PREFERENCES 1120
123456	BILL SMITH	1425 HARD RD. NORWALK, CT 06805	(111)111-1111	BB
123457	JACK GREEN	213 PINK ST. NORWALK, CT 06850	(111)222-2222	NA
123458	ELIOT BROWN	21 CIRCLE DR. NORWALK, CT 06850	(111)333-3333	5,7,3,1

FIG. 17

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1130

IDENTIFIER 1136	PRODUCT 1132	PRICE 1134	NUMBER IN STOCK 1138	EXPIRATION 1140
1	HAMBURGER	\$1.07	17	4:00 PM
2	SMALL SODA	\$0.55	NA	NA
3	LARGE SODA	\$0.90	NA	NA
4	X LARGE SODA	\$1.39	NA	NA
5	HARD TACO	\$0.69	20	2:00 PM
7	SOFT TACO	\$0.69	50	2:00 PM
8	48 COMBO: HARD TACO, CHICKEN FAJITA, MEDIUM COLA	\$3.49	14	14
9	CINNAMON TREAT	\$0.59	3	2:00 PM
10	DELUXE TACO	\$0.89	0	3:00 PM

FIG. 18

20/79

1150
↘

DATE OFFERED 1158	UPSELL(S) OFFERED 1152	ROUND-UP AMOUNT 1154	UPSELL ACCEPTED 1156	EXPIRATION 1162	DATE REDEEMED 1164	CUSTOMER ID 1160
8/12/97	G,H	\$.18	G	NA	NA	NA
8/12/97	B	\$.72	NONE	NA	NA	NA
8/12/97	C,D	\$.62	C	14 DAYS	8/22/97	123456
8/12/97	E	\$2.72	E	NA	NA	123560
8/12/97	I	\$.43	I	14 DAYS	EXPIRED	123458

FIG. 19

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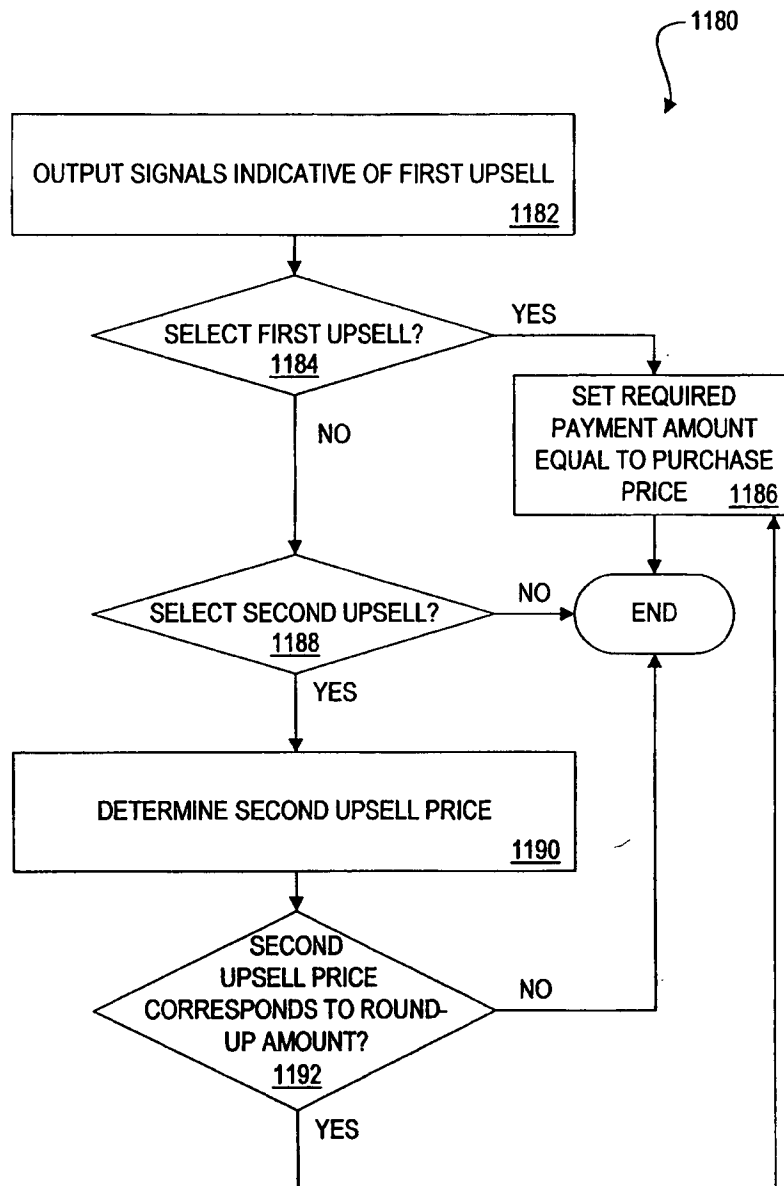


FIG. 20

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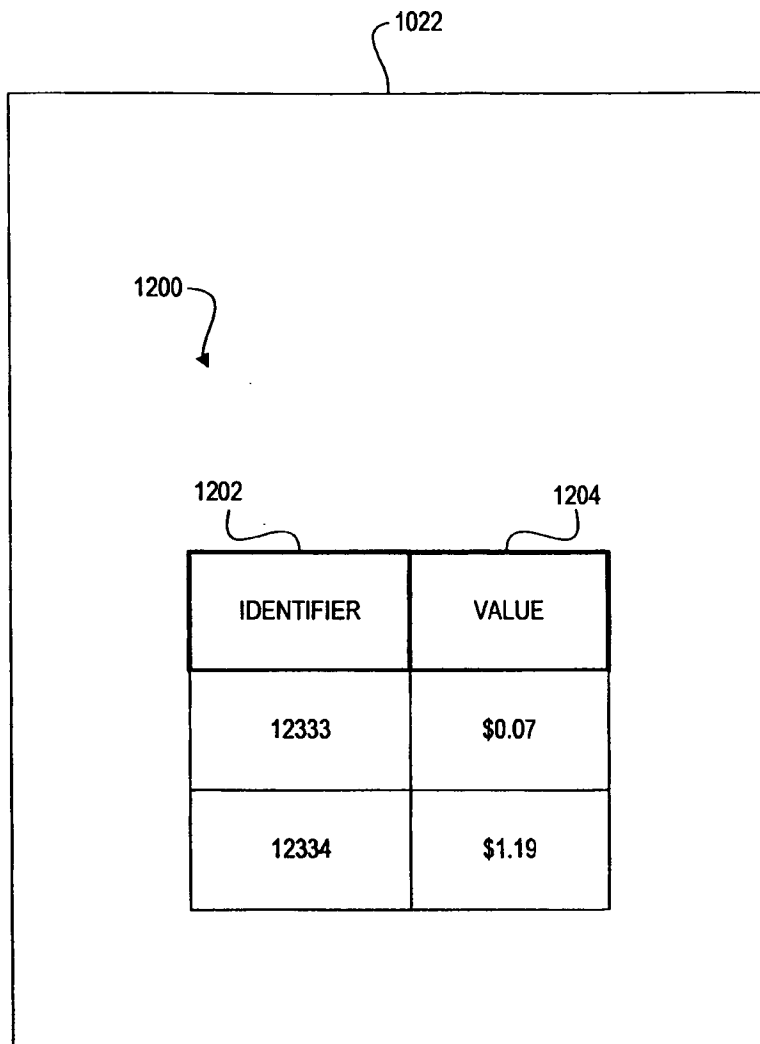


FIG. 21

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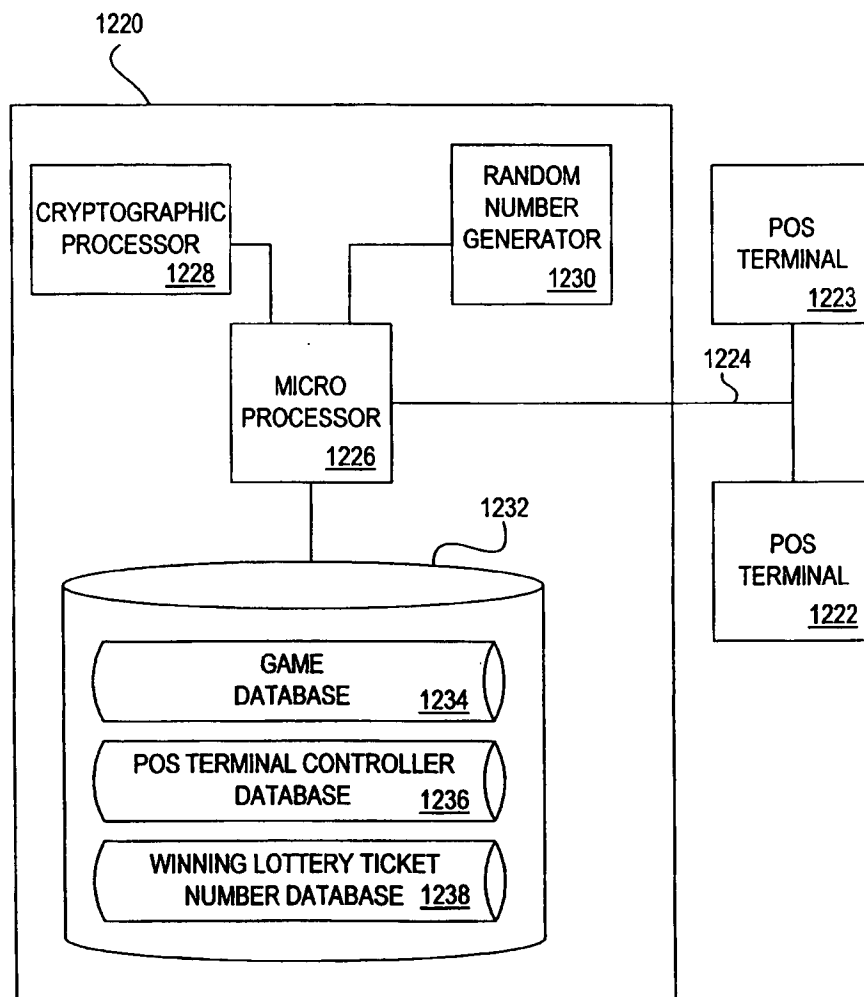


FIG. 22

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1260

CUSTOMER ID 1262	CUSTOMER NAME 1264	ADDRESS 1266	PHONE 1268	HISTORICAL PREFERENCES 1270	LINKED CUSTOMERS 1272	UPSELL DUE 1274	UPSELL EXPIRATION 1275
1276 123456	BILL SMITH	1425 HARD RD. NORWALK, CT 06850	(111)111-1111	BB	123459	-	-
1277 123457	JACK GREEN	213 PINK ST. NORWALK, CT 06850	(111)222-2222	NA	-	CC	1/1/97
1280 123458	ELIOT BROWN	21 CIRCLE DR. NORWALK, CT 06850	(111)333-3333	5,7,3,I	199998,199999	-	-
1281 123459	JILL SMITH	4210 BIG LOOP NORWALK, CT 06850	(111)444-4444	-	-	A	8/3/97

1278

1282

FIG. 23

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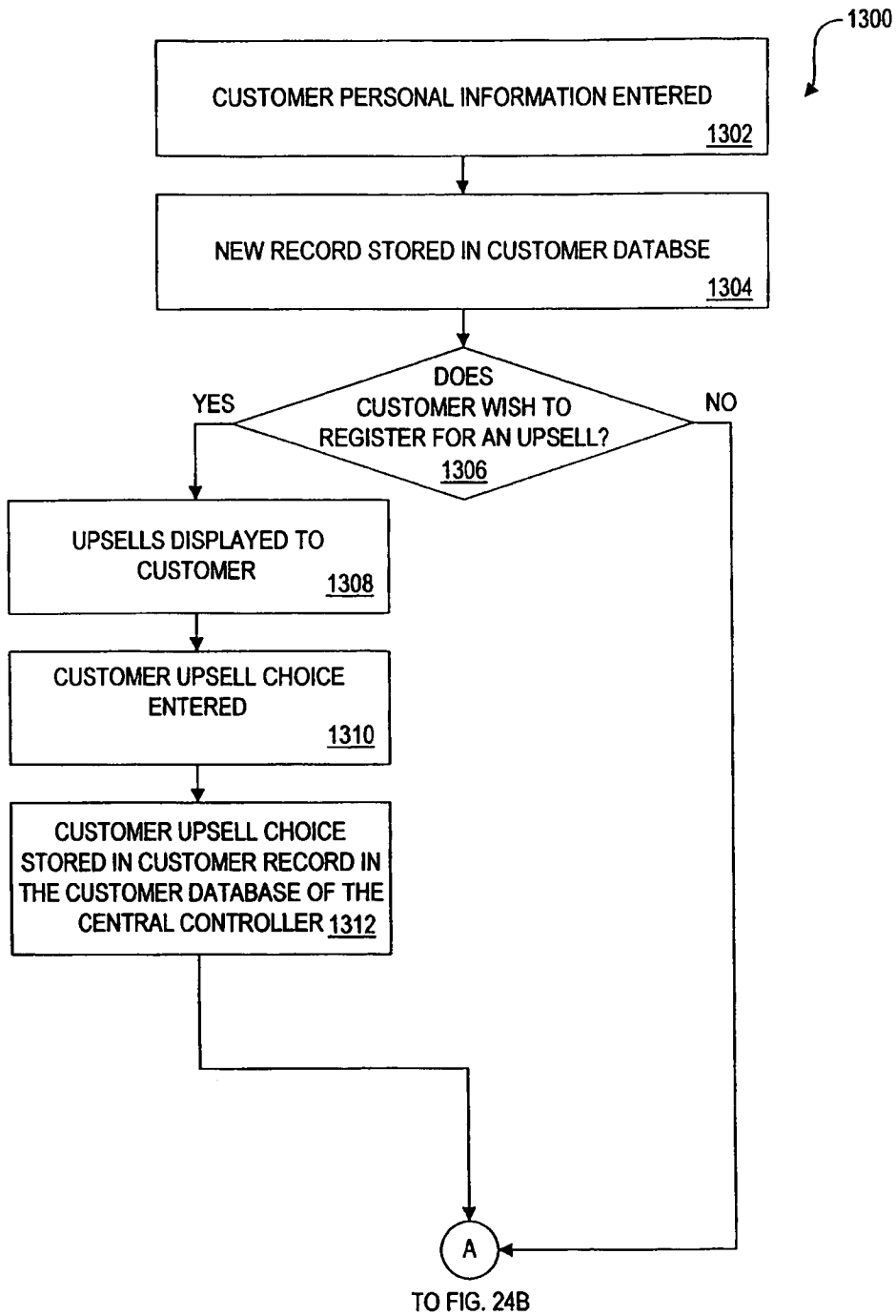


FIG. 24A

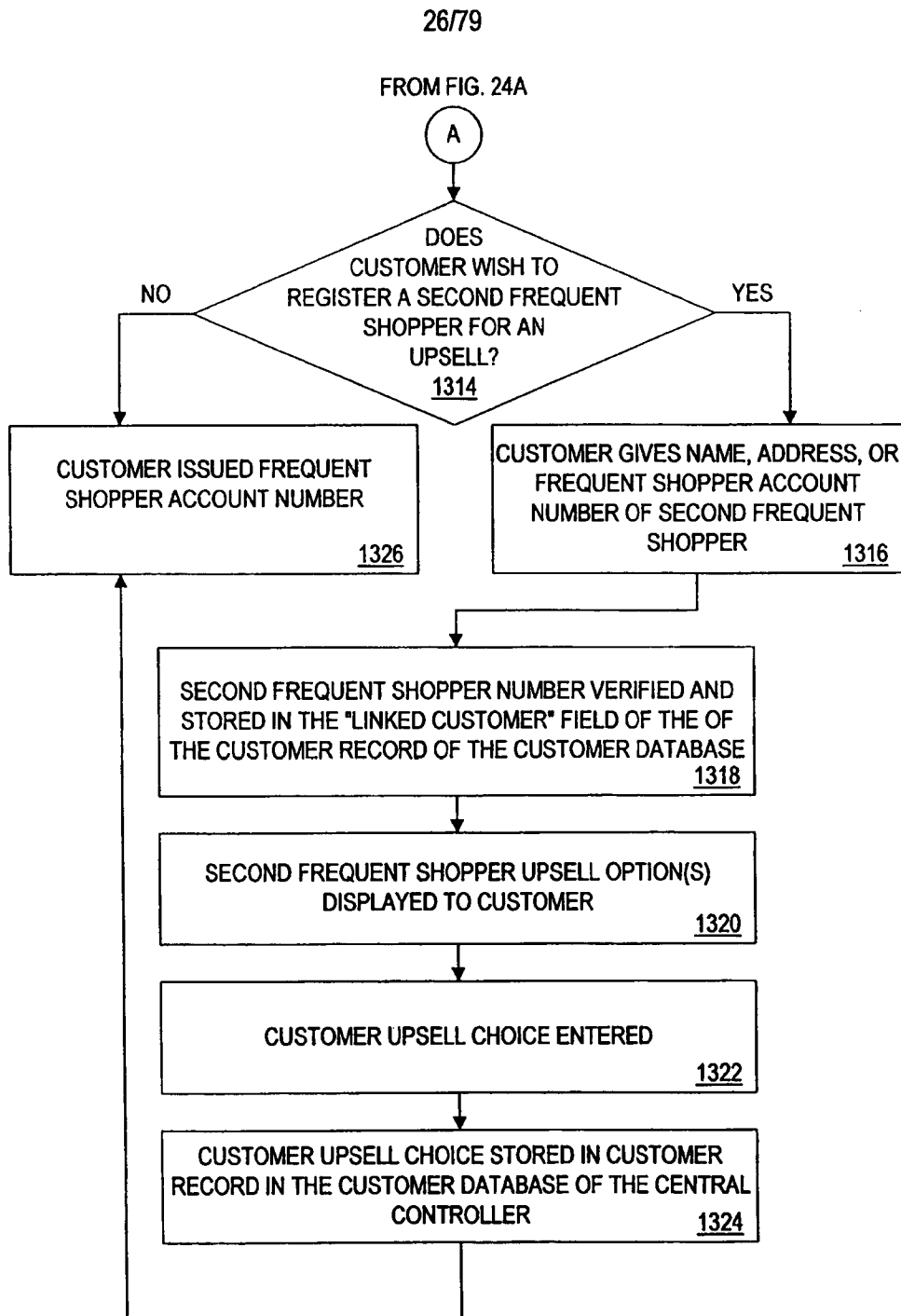


FIG. 24B

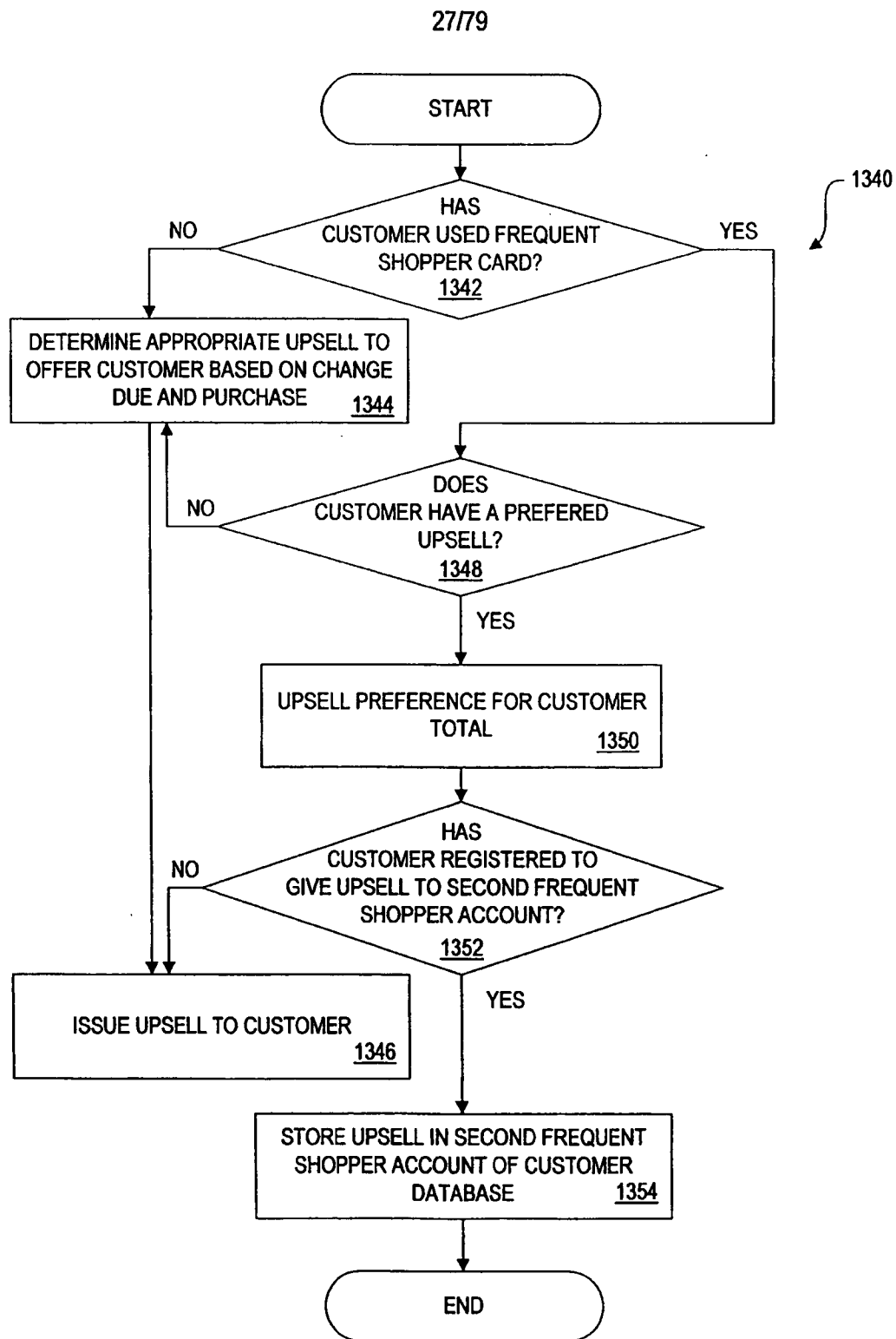


FIG. 25

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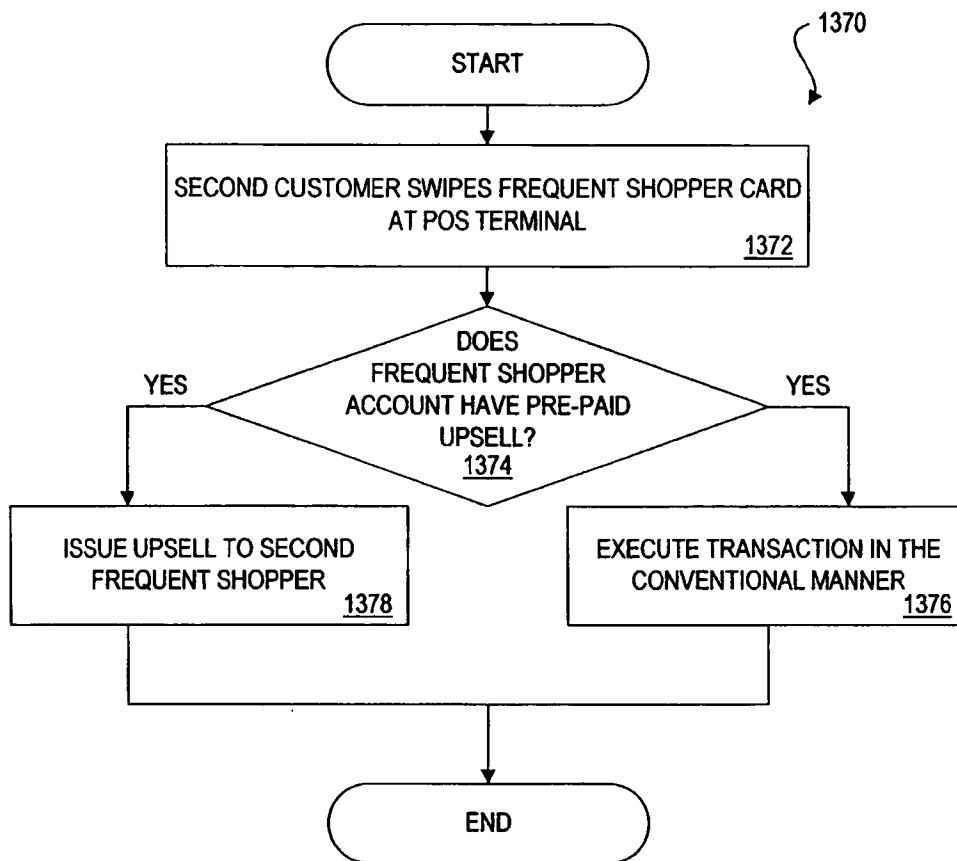


FIG. 26

29/79

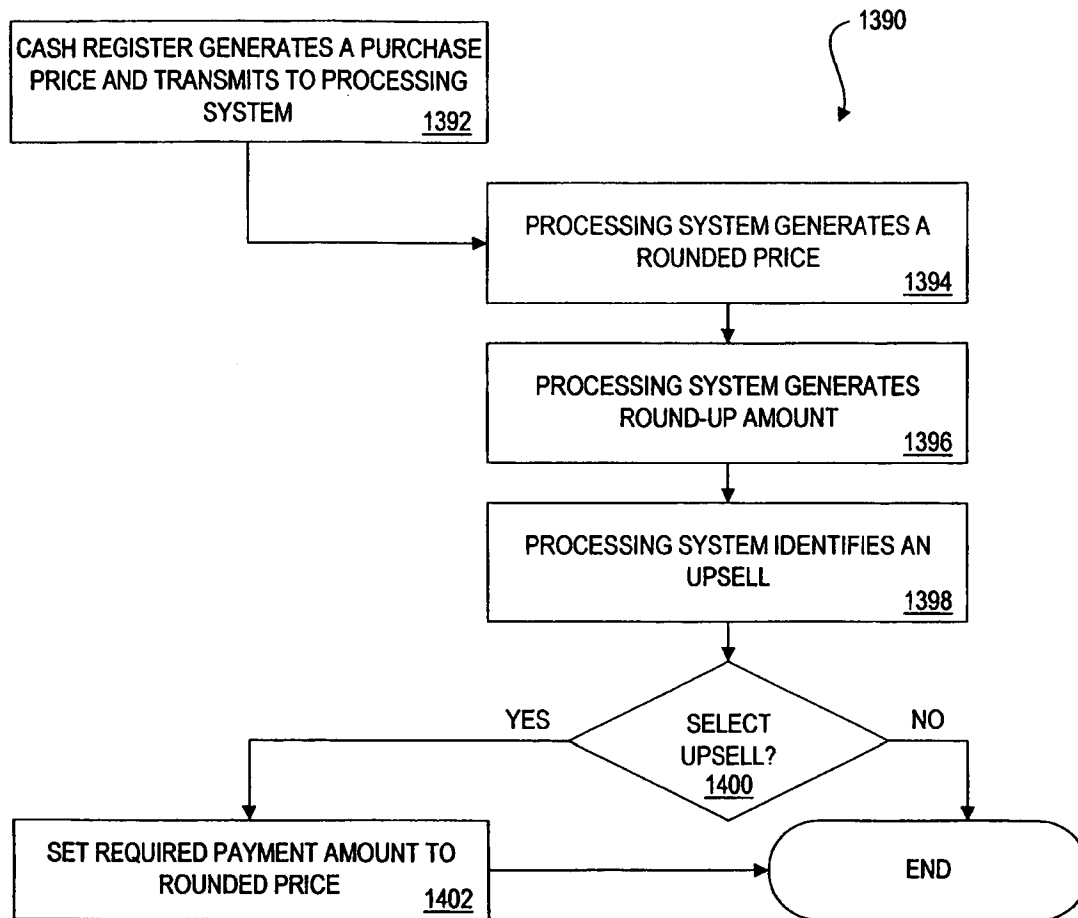


FIG. 27

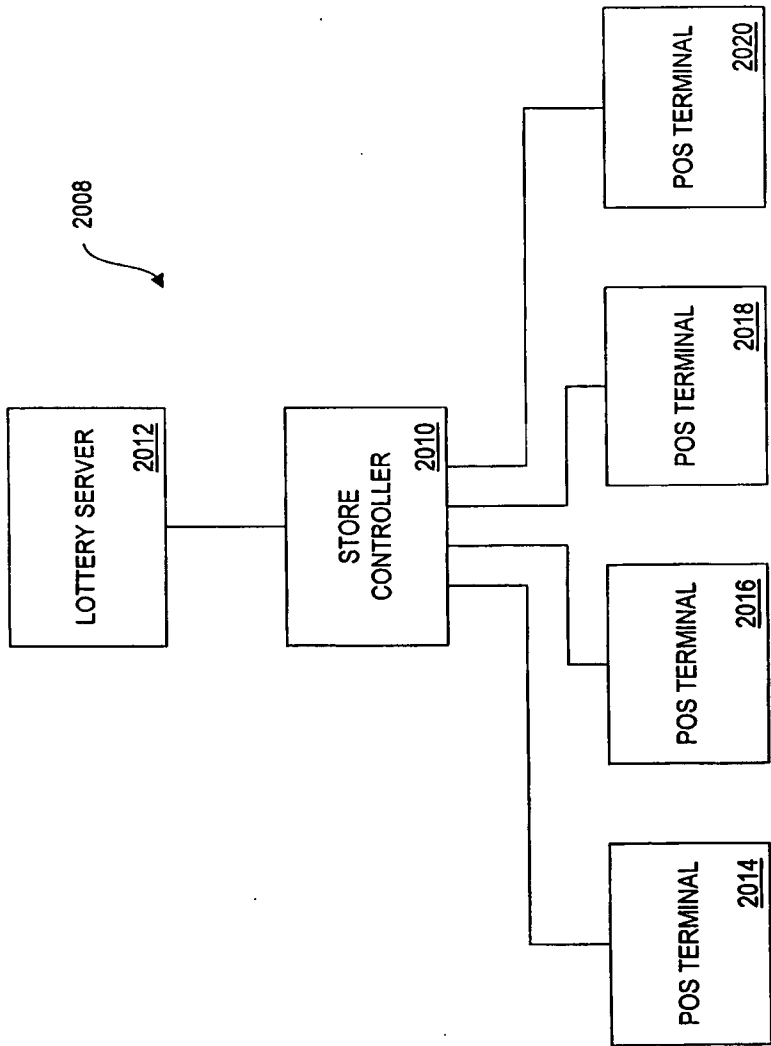


FIG. 28

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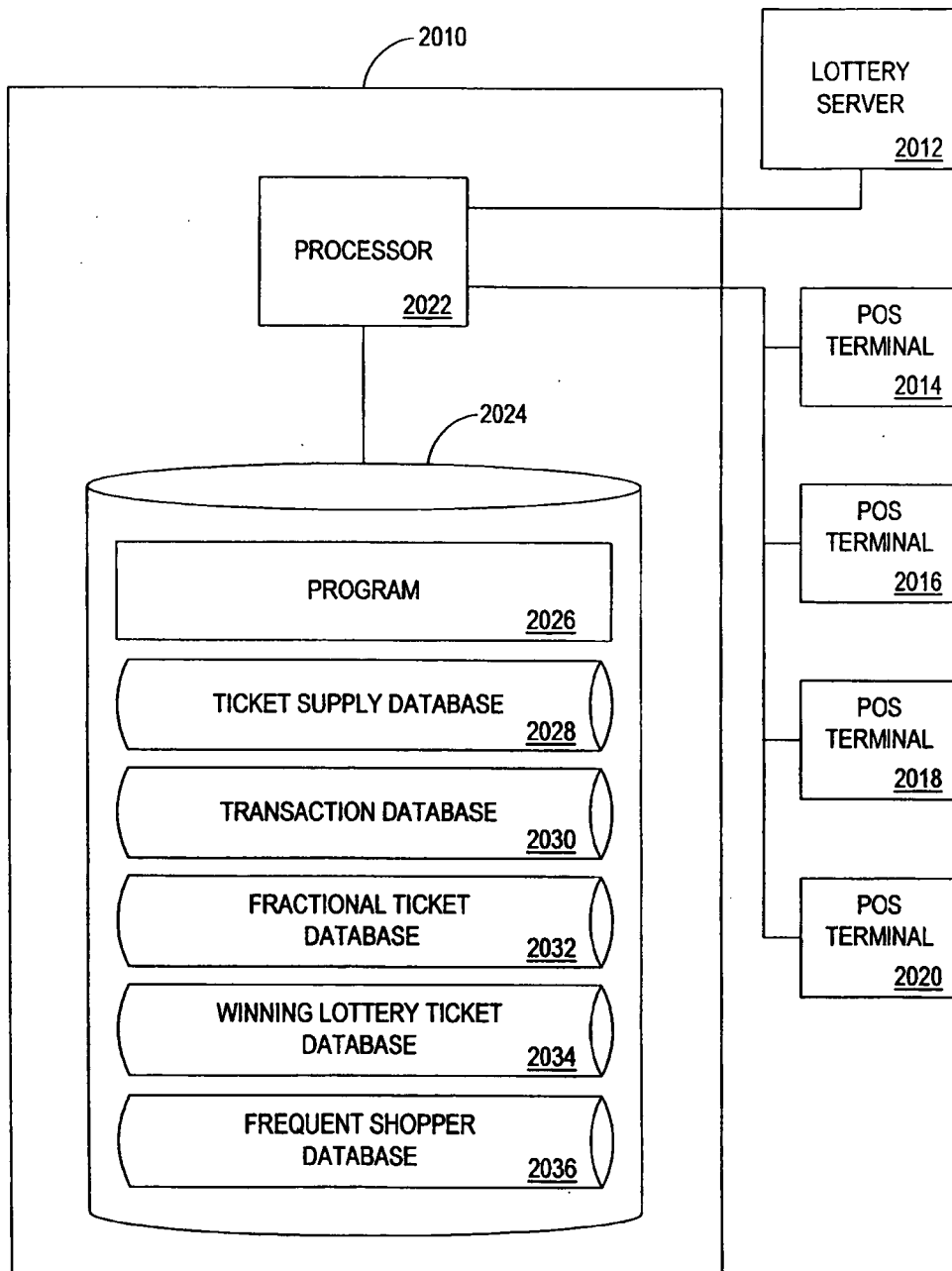


FIG. 29

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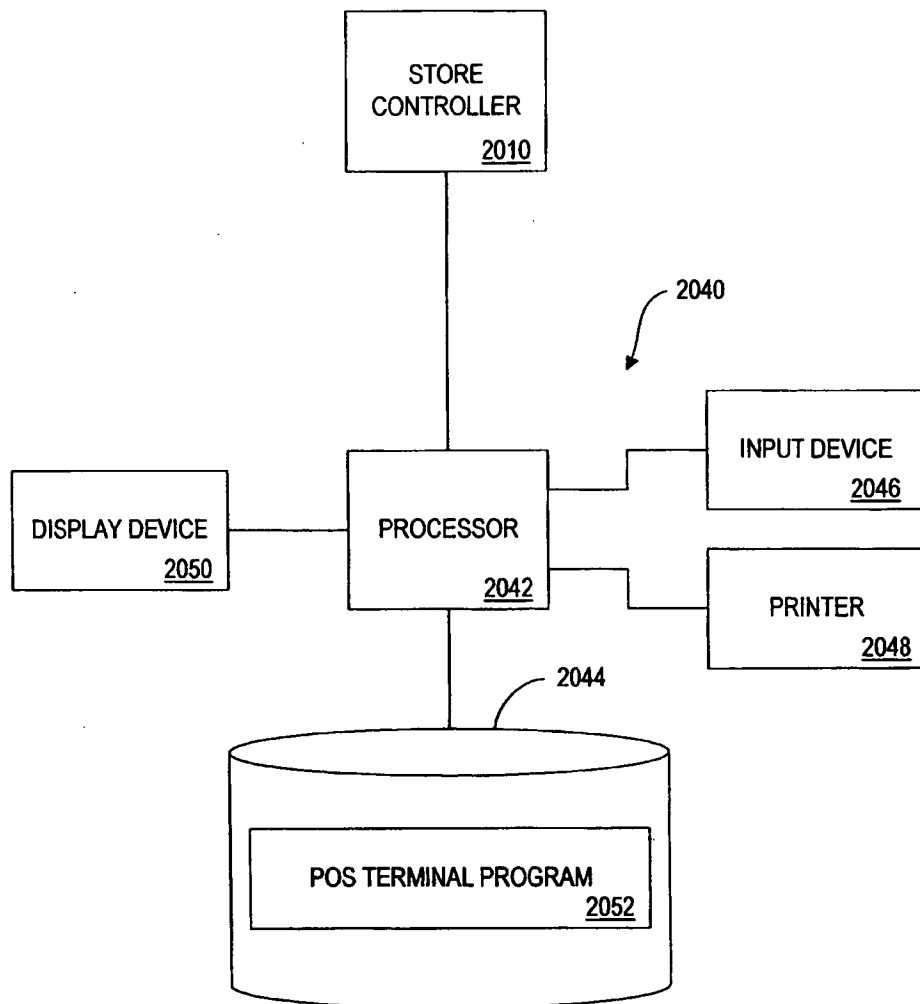


FIG. 30

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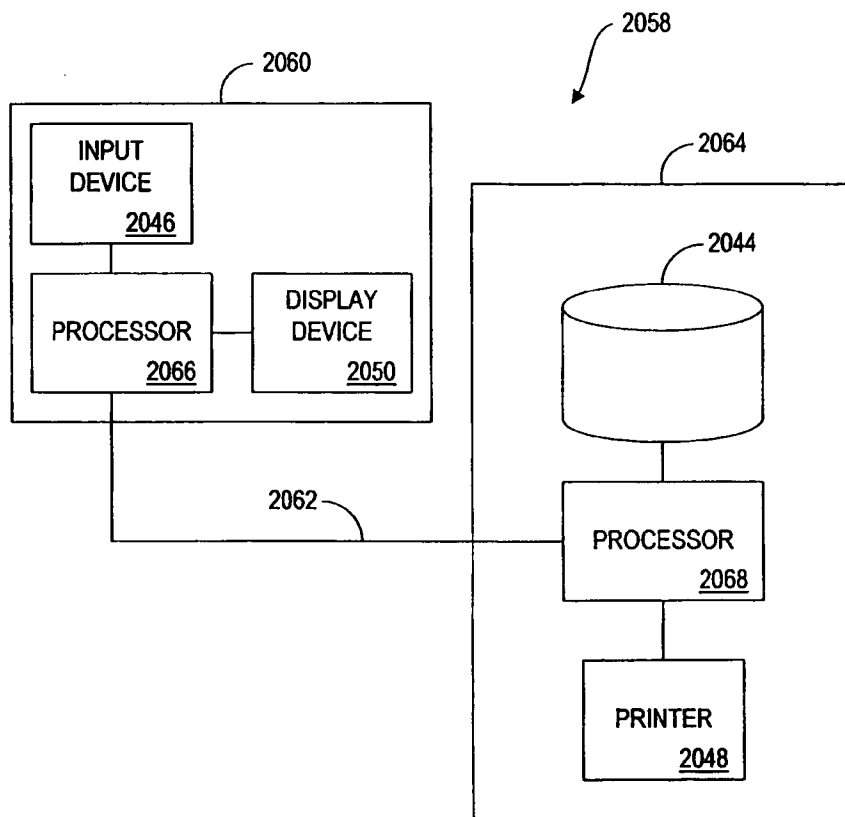


FIG. 31

2030
↪

TICKET IDENTIFIER 2090	DRAWING DATE 2092	TICKET NUMBERS 2094	UNALLOCATED PORTION 2096	TICKET PRICE 2098
1234560	2/10/98	11,12,13,04,21,34	\$0.12	\$1.00
1234561	2/10/98	01,21,04,25,13,11	\$0.31	\$1.00
1234562	2/10/98	11,25,35,04,06,03	\$0.23	\$1.00
1234563	2/10/98	01,20,30,16,28,13	\$0.78	\$1.00
1234564	2/10/98	02,30,21,26,24,01	\$0.10	\$1.00

2080 ↪

2082 ↪

2084 ↪

2086 ↪

2088 ↪

2100 ↪

TOTAL REMAINING UNALLOCATED AMOUNT	\$1.54
--	--------

FIG. 32

35/79

2110

TICKET IDENTIFIER	DRAWING DATE	TICKET NUMBERS	UNALLOCATED PORTION	TICKET PRICE
1234560	2/10/98	11,12,13,04, 21,34	\$0.12	\$1.00
1234561	2/10/98	01,21,04,25, 13,11	\$0.31	\$1.00
1234562	2/10/98	11,25,35,04, 06,03	\$0.23	\$1.00
1234563	2/10/98	01,20,30,16, 28,13	\$0.78	\$1.00
1234564	2/10/98	02,30,21,26, 24,01	\$0.10	\$1.00
TOTAL REMAINING UNALLOCATED AMOUNT			\$1.54	

ROUND UP AMOUNT	\$0.35
-----------------	--------

TICKET IDENTIFIER	DRAWING DATE	TICKET NUMBERS	UNALLOCATED PORTION	TICKET PRICE
1234560	2/10/98	11,12,13,04, 21,34	\$0.12	\$1.00
1234561	2/10/98	01,21,04,25, 13,11	\$0.31	\$1.00
1234562	2/10/98	11,25,35,04, 06,03	\$0.23	\$1.00
1234563	2/10/98	01,20,30,16, 28,13	\$0.43	\$1.00
1234564	2/10/98	02,30,21,26, 24,01	\$0.10	\$1.00
TOTAL REMAINING UNALLOCATED AMOUNT			\$1.19	

FIG. 33

2032
→

TRANSACTION NUMBER 2160	POS TERMINAL IDENTIFIER 2162	PURCHASE PRICE 2164	ROUNDING MULTIPLE 2165	ROUND UP AMOUNT 2166	ACCEPTED OFFER FOR TICKET 2168	FREQUENT SHOPPER NUMBER 2170	DATE 2172	FRACTIONAL TICKET IDENTIFIER 2174
7614234	1	\$16.88	\$1	\$0.12	YES	111111	2/10/98	1001
7614235	1	\$12.31	\$1	\$0.69	YES	111112	2/10/98	1002
7614236	2	\$13.23	\$5	\$1.77	YES	111113	2/10/98	1003
7614237	3	\$25.78	\$1	\$0.22	YES	111114	2/10/98	1004
7614238	2	\$31.10	\$10	\$8.90	NO	111115	2/10/98	N/A

2150
2152
2154
2156
2158

FIG. 34

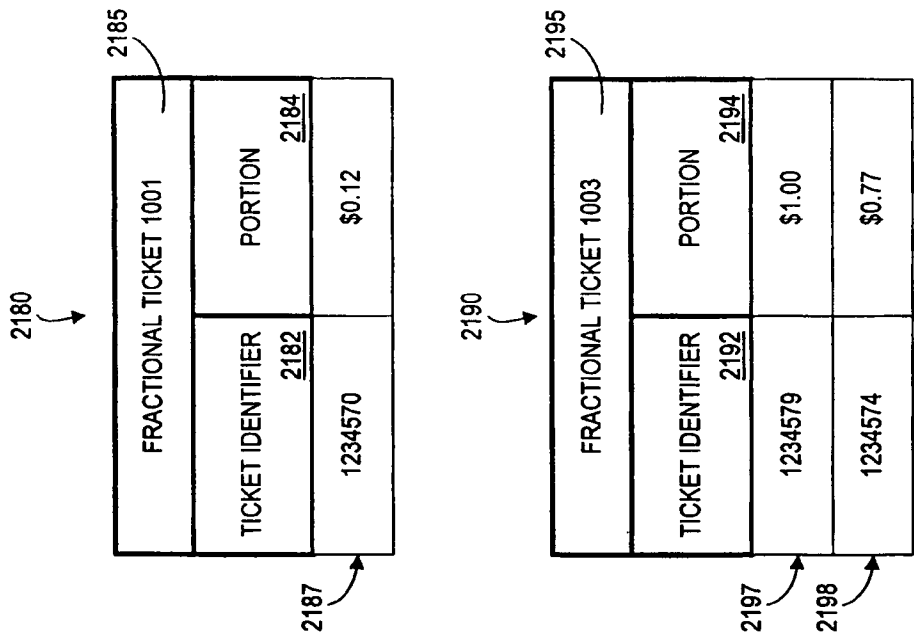


FIG. 35

38/79

2200
↓

	TICKET IDENTIFIER	DRAWING DATE	TICKET NUMBERS	UNALLOCATED PORTION	TICKET PRICE
2202	1234000	2/17/98	12,21,28, 35,38,40	\$0.55	\$1.00
2204	1234001	2/17/98	5,15,25, 35,40,41	\$0.83	\$1.00
2206	1234002	2/17/98	2,8,14, 26,39,42	\$0.95	\$1.00
2208	123003	2/17/98	10,19,24, 29,36,39	\$0.61	\$1.00

TOTAL REMAINING UNALLOCATED AMOUNT	\$2.94
--	--------

2220
↓

ROUND UP AMOUNT	\$0.60
-----------------	--------

FIG. 36

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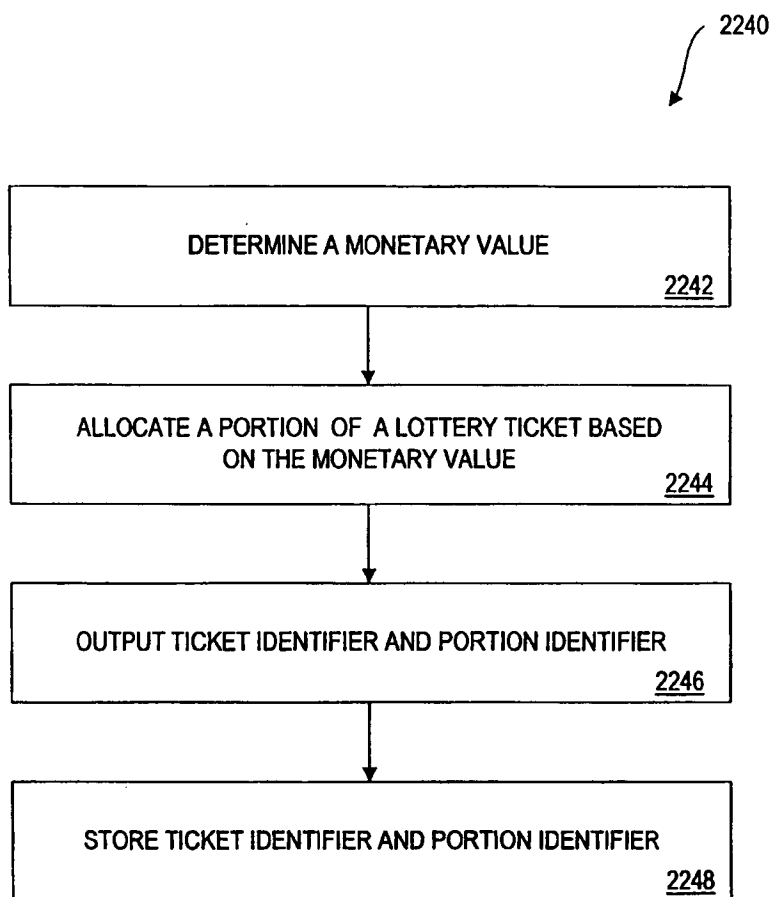


FIG. 37

2036

DRAWING DATE	WINNING TICKET NUMBERS	PRIZE
1/7/98	02,03,12,16,21,25	\$1,000,000
1/14/98	03,04,16,21,22,24	\$2,000,000
1/21/98	01,02,03,04,11,06	\$1,500,000

2260 2262 2264

FIG. 38

2038
↘

FREQUENT SHOPPER NUMBER 2288	ADDRESS 2290	TELEPHONE 2292	NAME 2294	E-MAIL ADDRESS 2296
111111	12 MAIN ST. ANYTOWN, USA	(111)456-7890	SUSAN GREEN	-
111112	456 RIVER DR. ANYTOWN, USA	(222)234-9876	JONATHAN STEVENS	JSTEVENS@JBMI.COM
111113	5412 MADISON AVE. ANYTOWN, USA	(333) 246-8108	NANCY EVANS	-
111114	99 PARK LA. ANYTOWN, USA	(444) 359-6129	RALPH STEWART	-

2280 ↗
2282 ↗
2284 ↗
2286 ↗

FIG. 39

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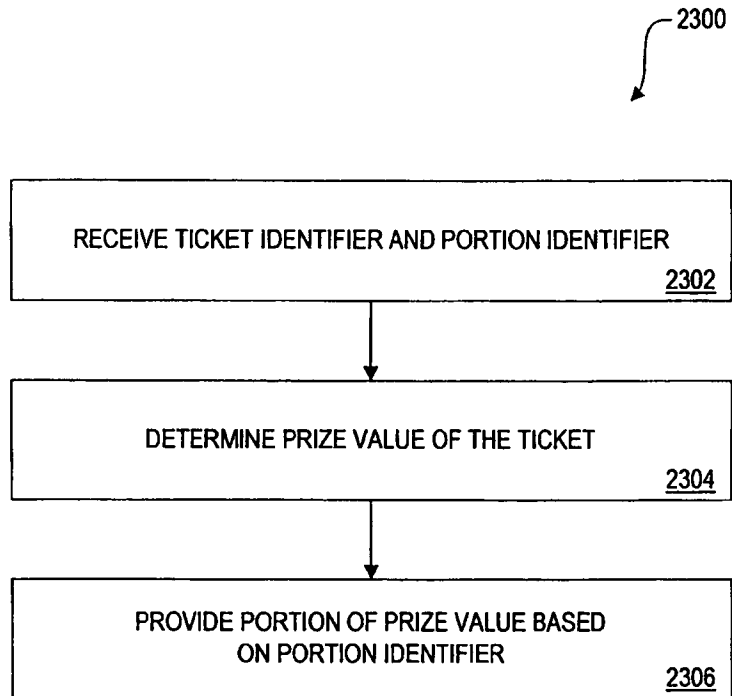


FIG. 40

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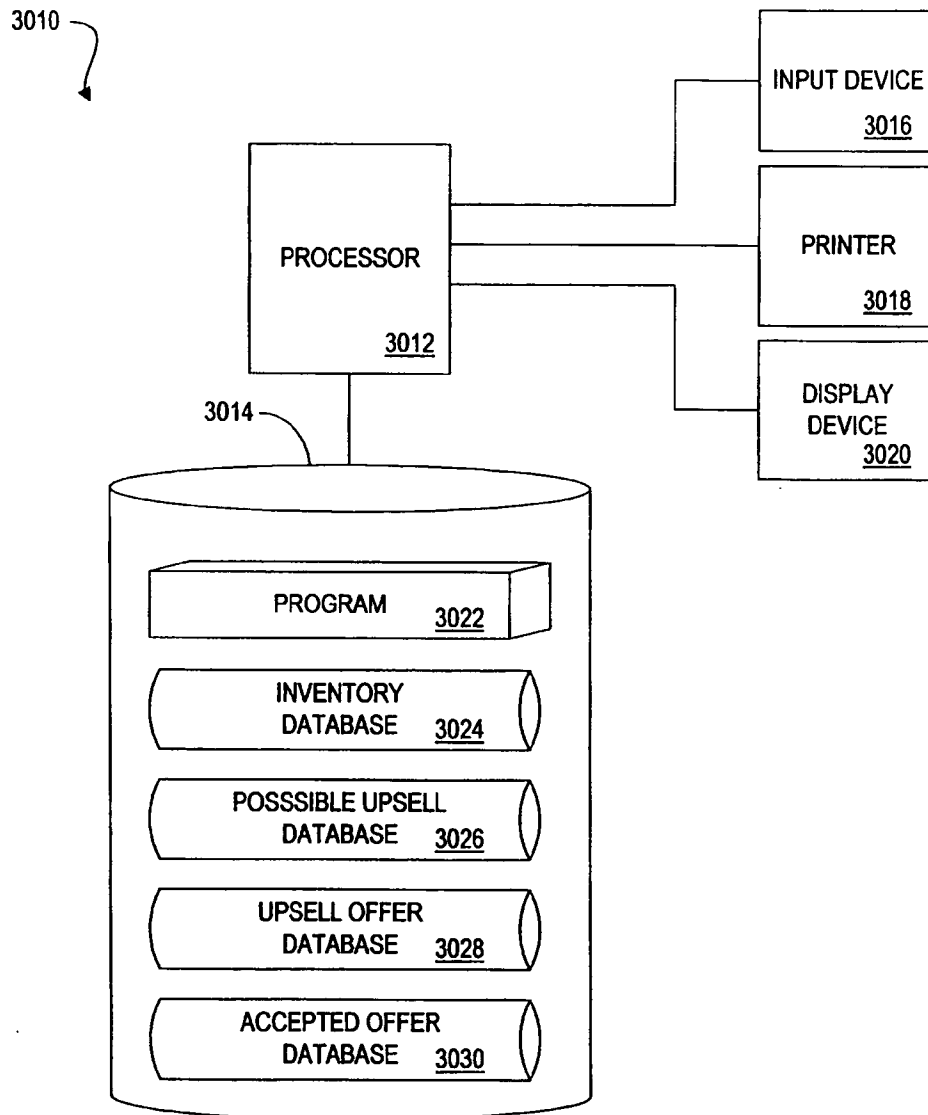


FIG. 41

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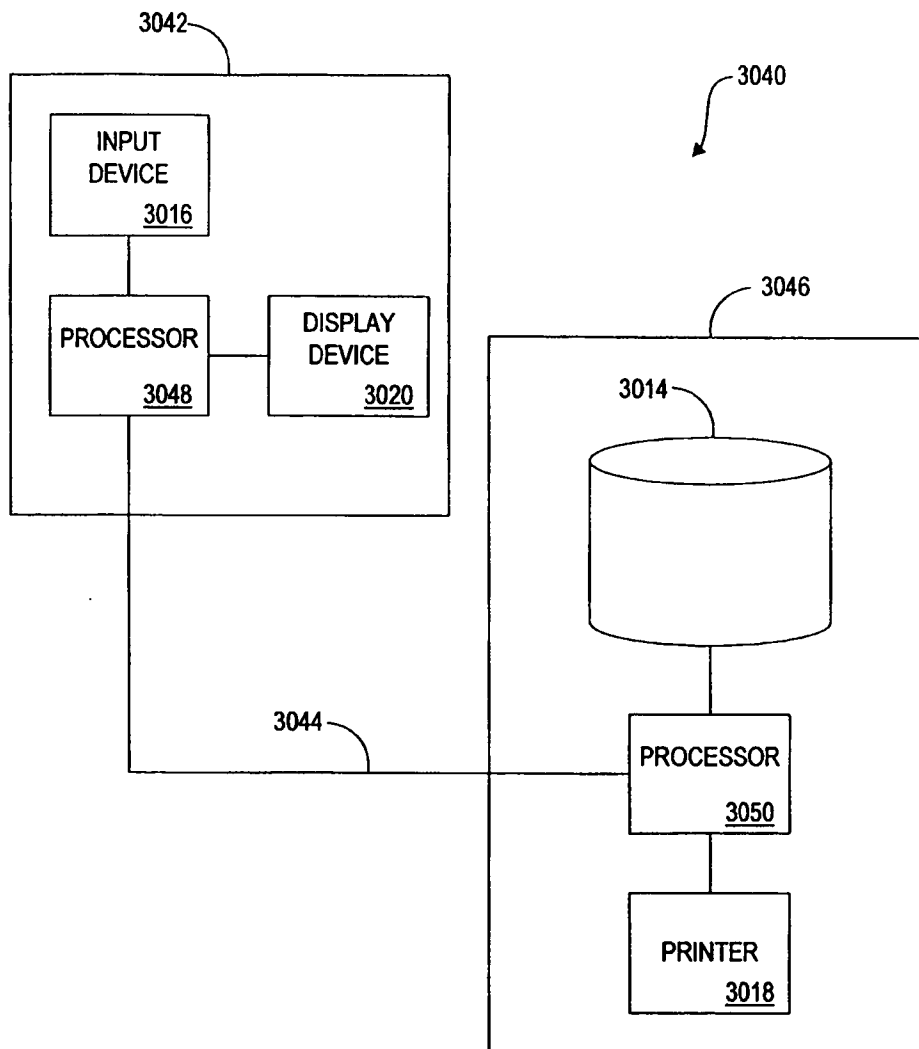


FIG. 42

3024

	ITEM IDENTIFIER 3116	ITEM DESCRIPTION 3118	ITEM PRICE 3120	ITEM COST 3122
3100	1001	HAMBURGER	\$0.89	\$0.55
3102	1002	APPLE PIE	\$0.89	\$0.48
3104	1003	SMALL COLA	\$1.19	\$0.09
3106	1004	MEDIUM COLA	\$1.29	\$0.09
3108	1005	LARGE COLA	\$1.49	\$0.09
3110	1006	SMALL FRENCH FRIES	\$1.09	\$0.28
3112	1007	MEDIUM FRENCH FRIES	\$1.69	\$0.31
3114	1008	LARGE FRENCH FRIES	\$1.89	\$0.33

FIG. 43

3026

UPSELL IDENTIFIER	UPSELL DESCRIPTION
<u>3148</u>	<u>3150</u>
A	HAMBURGER
B	SMALL COLA
C	APPLE PIE
D	UPGRADE FROM SMALL FRENCH FRIES TO LARGE FRENCH FRIES

3140
3142
3144
3146

FIG. 44

3155

ITEMS INCLUDED IN PURCHASE 3172		UPSELL(S) 3174
3160	1 HAMBURGER, 1 SMALL FRENCH FRIES	B
3162	1 HAMBURGER, 1 SMALL FRENCH FRIES	D
3164	1 SMALL FRENCH FRIES, 1 LARGE COLA	D
3166	1 HAMBURGER, 1 LARGE COLA, 1 SMALL FRENCH FRIES	C,D
3168	1 HAMBURGER, 1 LARGE COLA, 1 MEDIUM FRENCH FRIES	C,C
3170	1 HAMBURGER, 1 LARGE COLA, 1 LARGE FRENCH FRIES	C

FIG. 45

3180

	ITEMS INCLUDED IN PURCHASE 3202	UPSELL(S) 3204	ROUNDED PRICE 3206
3190	1 HAMBURGER, 1 SMALL FRENCH FRIES	B	\$2.00
3192	1 HAMBURGER, 1 SMALL FRENCH FRIES	D	\$2.00
3194	1 SMALL FRENCH FRIES, 1 LARGE COLA	D	\$3.00
3196	1 HAMBURGER, 1 LARGE COLA, 1 SMALL FRENCH FRIES	C,D	\$4.00
3198	1 HAMBURGER, 1 LARGE COLA, 1 MEDIUM FRENCH FRIES	C,C	\$5.00
3200	1 HAMBURGER, 1 LARGE COLA, 1 LARGE FRENCH FRIES	C	\$5.00

FIG. 46

3220

ITEMS INCLUDED IN PURCHASE <u>3234</u>			UPSELL(S) <u>3236</u>	UPSELL PRICE <u>3238</u>
3222	1 HAMBURGER, 1 SMALL FRENCH FRIES		B	\$0.02
3224	1 HAMBURGER, 1 SMALL FRENCH FRIES		D	\$0.02
3226	1 SMALL FRENCH FRIES, 1 LARGE COLA		D	\$0.42
3228	1 HAMBURGER, 1 LARGE COLA, 1 SMALL FRENCH FRIES		C,D	\$0.53
3230	1 HAMBURGER, 1 LARGE COLA, 1 MEDIUM FRENCH FRIES		C,C	\$0.93
3232	1 HAMBURGER, 1 LARGE COLA, 1 LARGE FRENCH FRIES		C	\$0.73

FIG. 47

3250

ITEMS INCLUDED IN PURCHASE 3264	UPSSELL(S) 3266	ROUNDING MULTIPLE 3268
1 HAMBURGER, 1 SMALL FRENCH FRIES 3252	B	\$1.00
1 HAMBURGER, 1 SMALL FRENCH FRIES 3254	D	\$1.00
1 SMALL FRENCH FRIES, 1 LARGE COLA 3256	D	\$1.00
1 HAMBURGER, 1 LARGE COLA, 1 SMALL FRENCH FRIES 3258	C,D	\$1.00
1 HAMBURGER, 1 LARGE COLA, 1 MEDIUM FRENCH FRIES 3260	C,C	\$1.00
1 HAMBURGER, 1 LARGE COLA, 1 LARGE FRENCH FRIES 3262	C	\$1.00

FIG. 48

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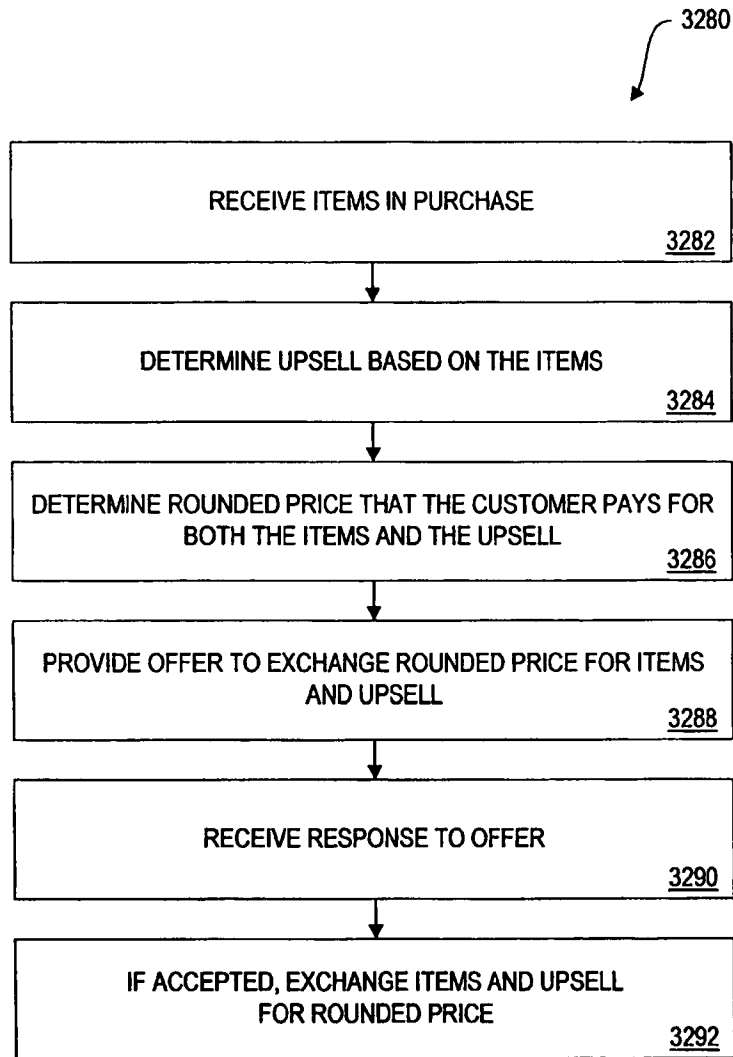


FIG. 49

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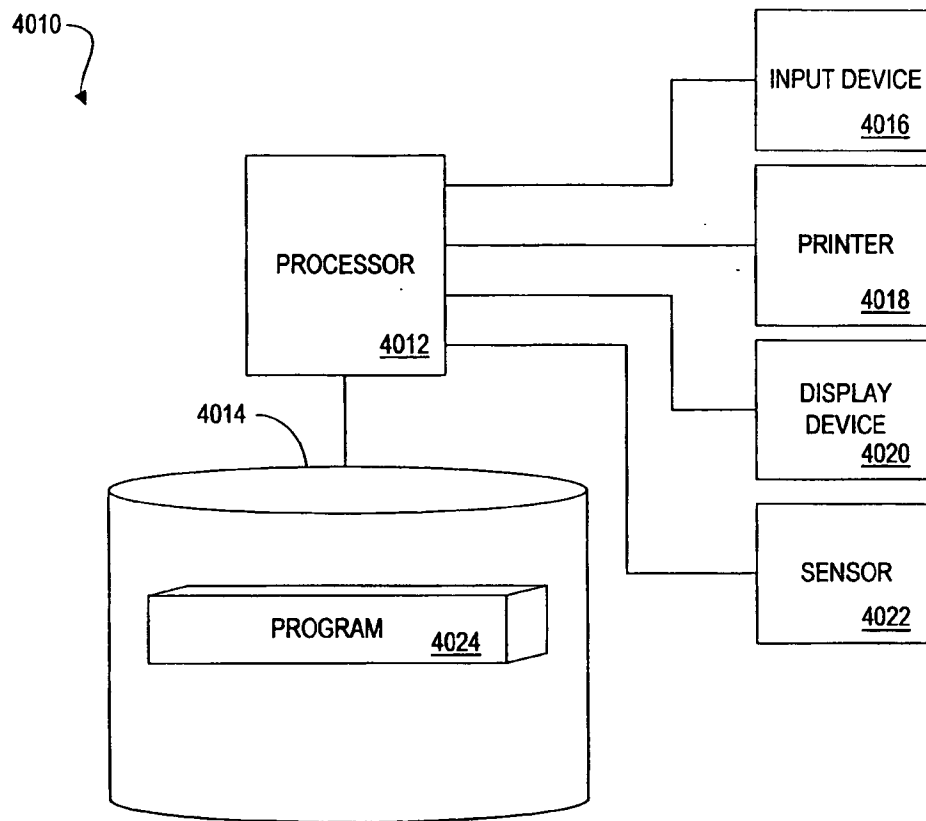


FIG. 50

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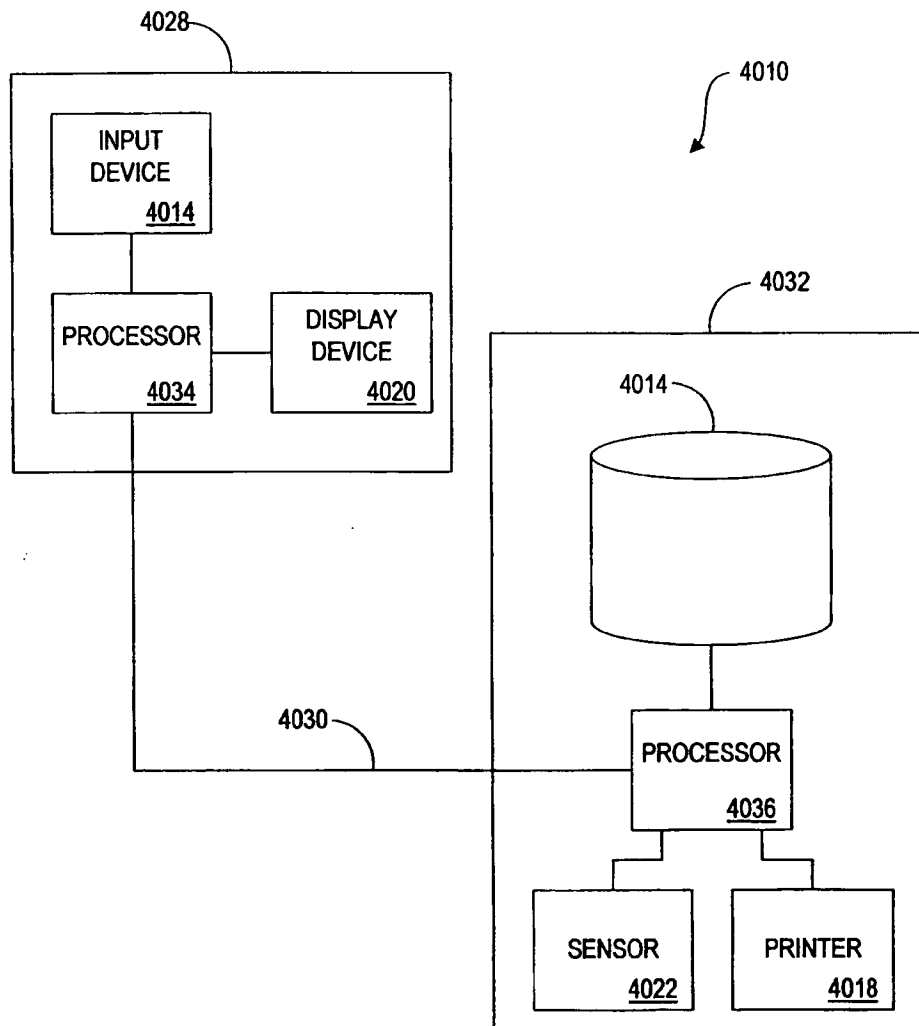


FIG. 51

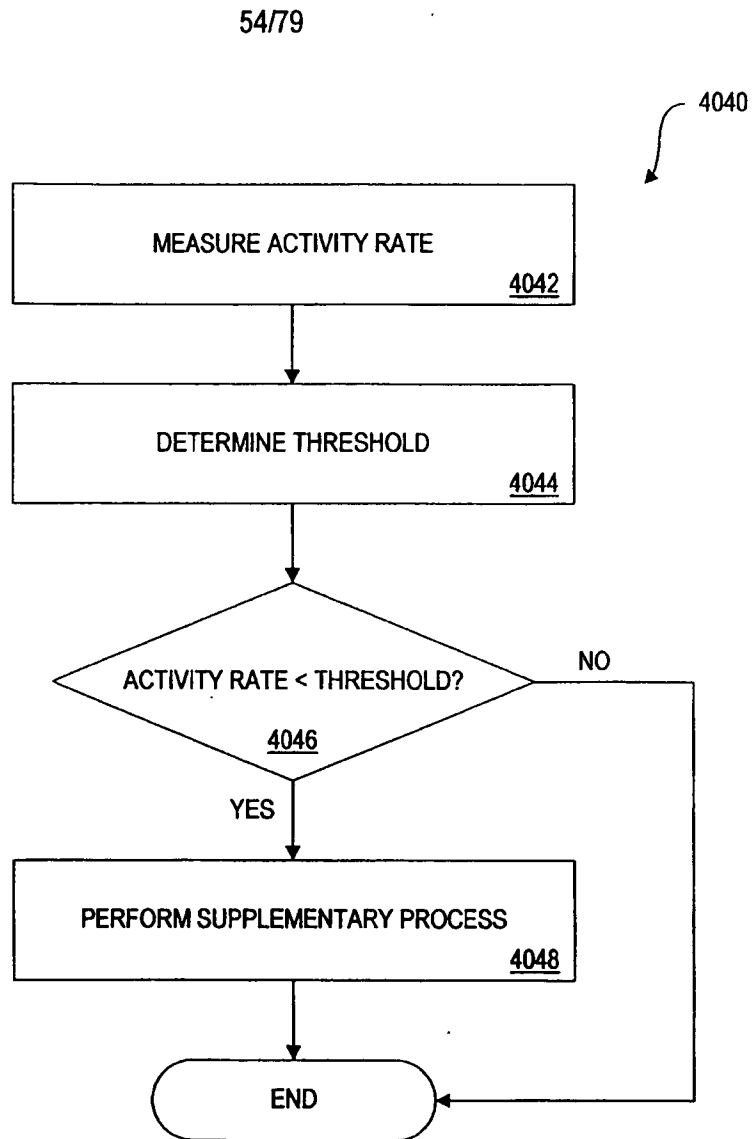


FIG. 52

4060

ACTIVITY RATE IDENTIFIER 4062	ACTIVITY RATE (TRANSACTIONS PER 15 MINUTE PERIOD) 4064	UPSELL TO OFFER 4066
A	LESS THAN 8	AN ADDITIONAL PRODUCT
B	BETWEEN 8 AND 15	"TRIPLE-YOUR-CHANGE" COUPON
C	MORE THAN 15	NONE

4068

4070

4072

FIG. 53

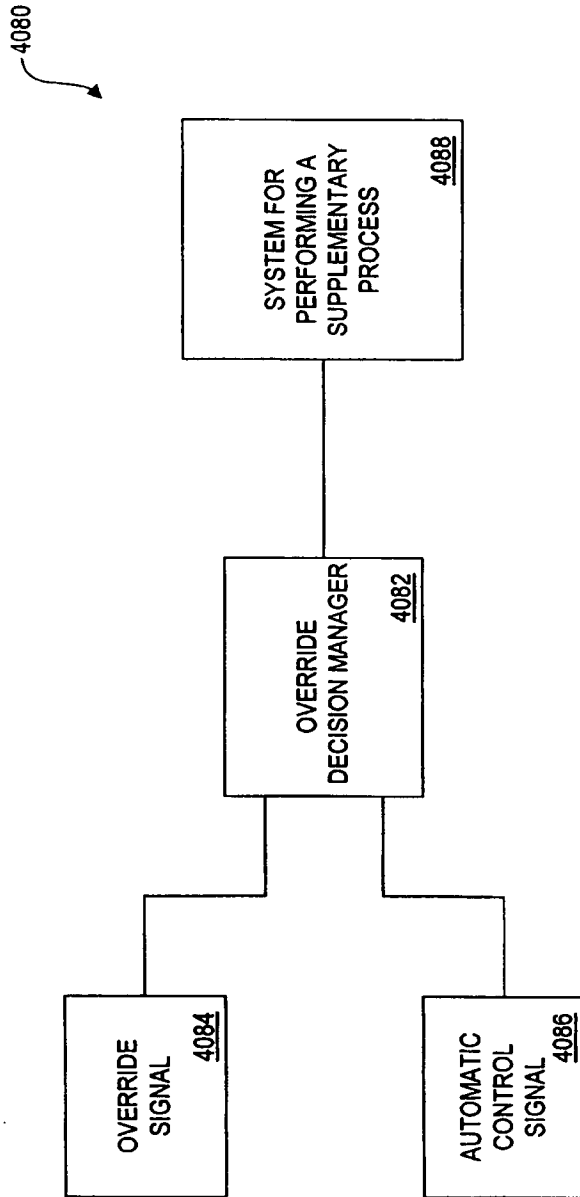


FIG. 54

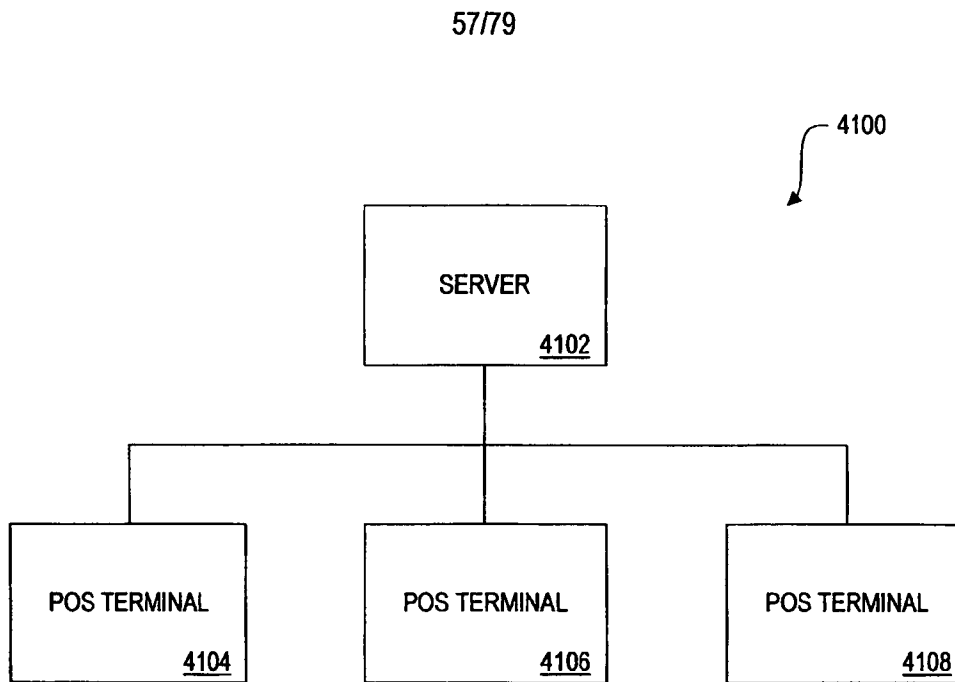


FIG. 55

4120



ACTIVITY RATE IDENTIFIER 4122	ACTIVITY RATE (% ALL POS TERMINALS IN USE) 4124	UPSELL TO OFFER 4126
A	LESS THAN 50%	ONE FROM A GROUP OF THREE ADDITIONAL PRODUCTS
B	BETWEEN 50% AND 80%	AN ADDITIONAL PRODUCT
C	BETWEEN 81% AND 90%	"TRIPLE-YOUR-CHANGE" COUPON
D	MORE THAN 90%	NONE

4128



4130



4132



4134



FIG. 56

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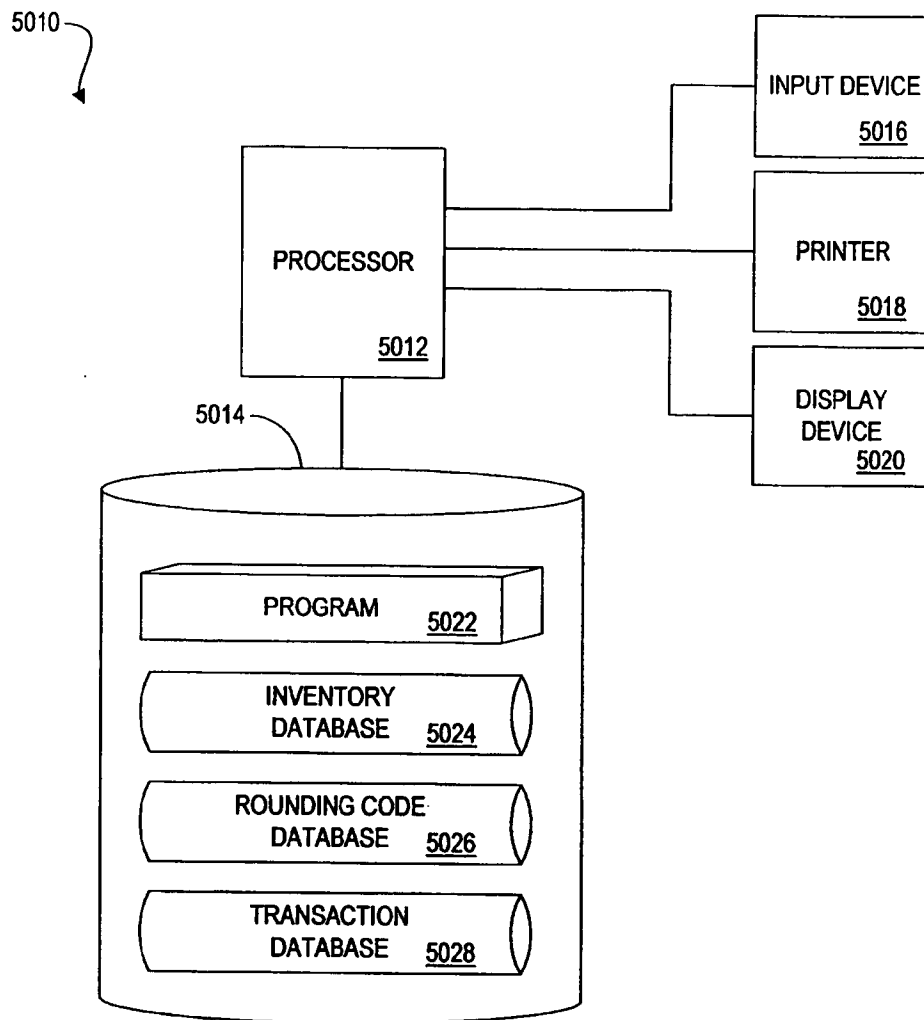


FIG. 57

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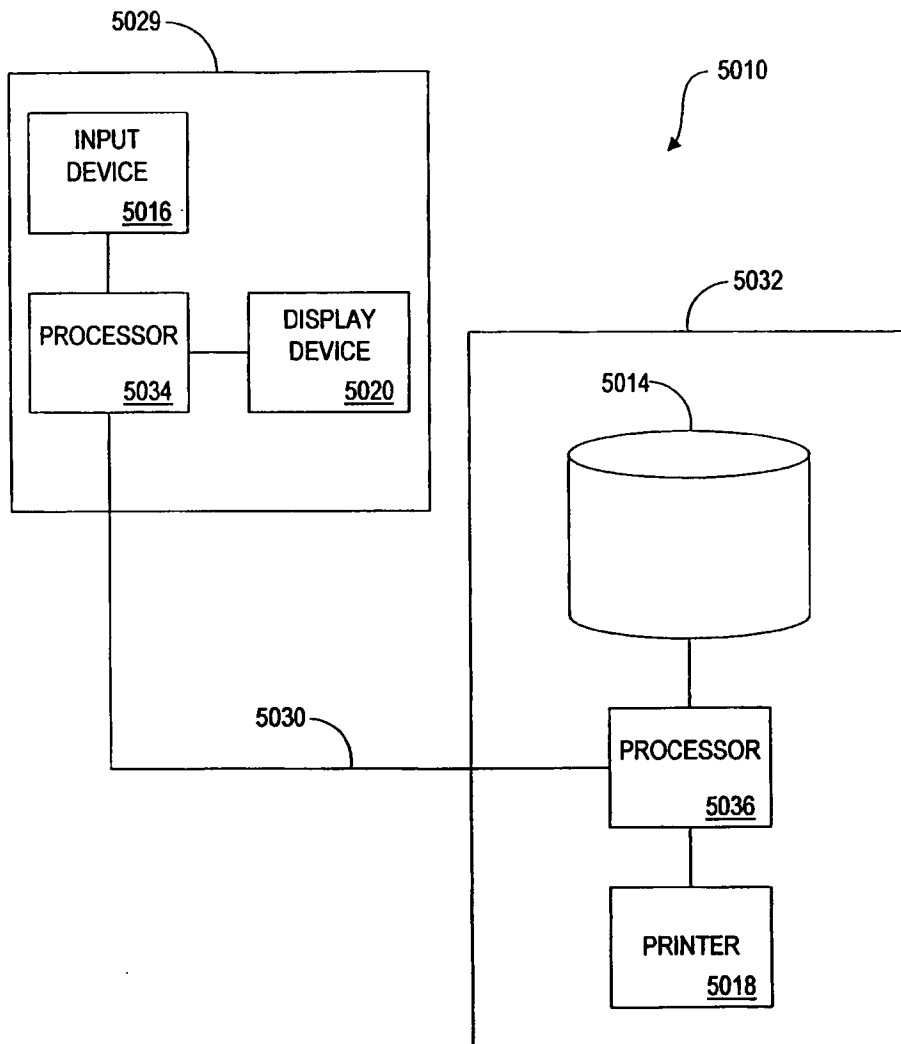


FIG. 58

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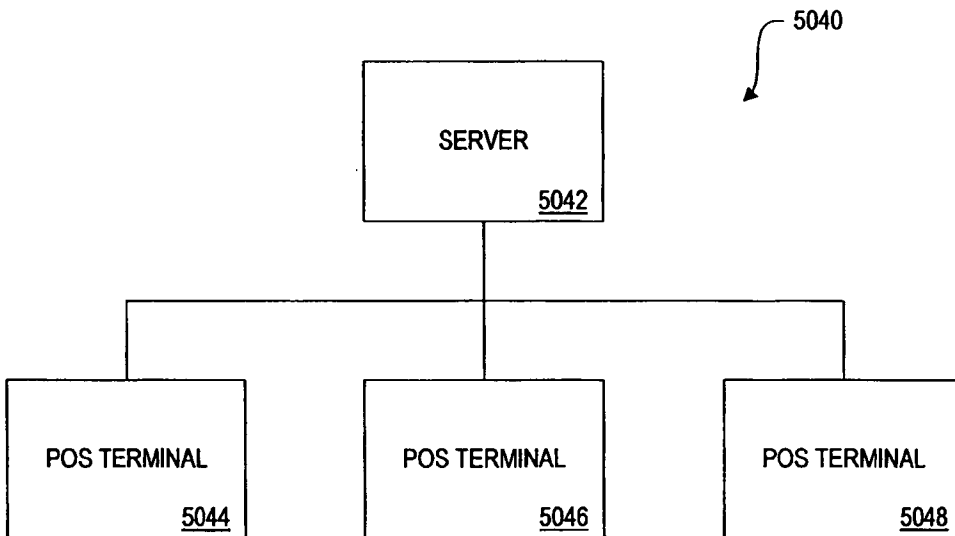


FIG. 59

5024
↘

ITEM IDENTIFIER	DESCRIPTION	PRICE	TAXABLE STATUS
5040	5042	5044	5046
112230	1998 CALENDER	\$9.95	YES
112231	1996 TAX MANUAL	\$34.00	YES
112232	OCTOBER '97 WEB MAGAZINE	\$2.95	YES
112233	WAR AND PEACE	\$15.00	YES
112234	BIBLE	\$30.00	YES
112235	COLLEGE GUIDE	\$17.50	YES
112236	PATENT LAW 2000	\$1.50	YES

5032

5033

5034

5035

5036

5037

5038

FIG. 60

5026

	ROUNDING CODE IDENTIFIER 5056	ROUNDING MULTIPLE 5058	FIXED VALUE 5060
5050	567	\$1	\$1
5052	890	\$5	\$5
5054	327	\$10	\$10

FIG. 61

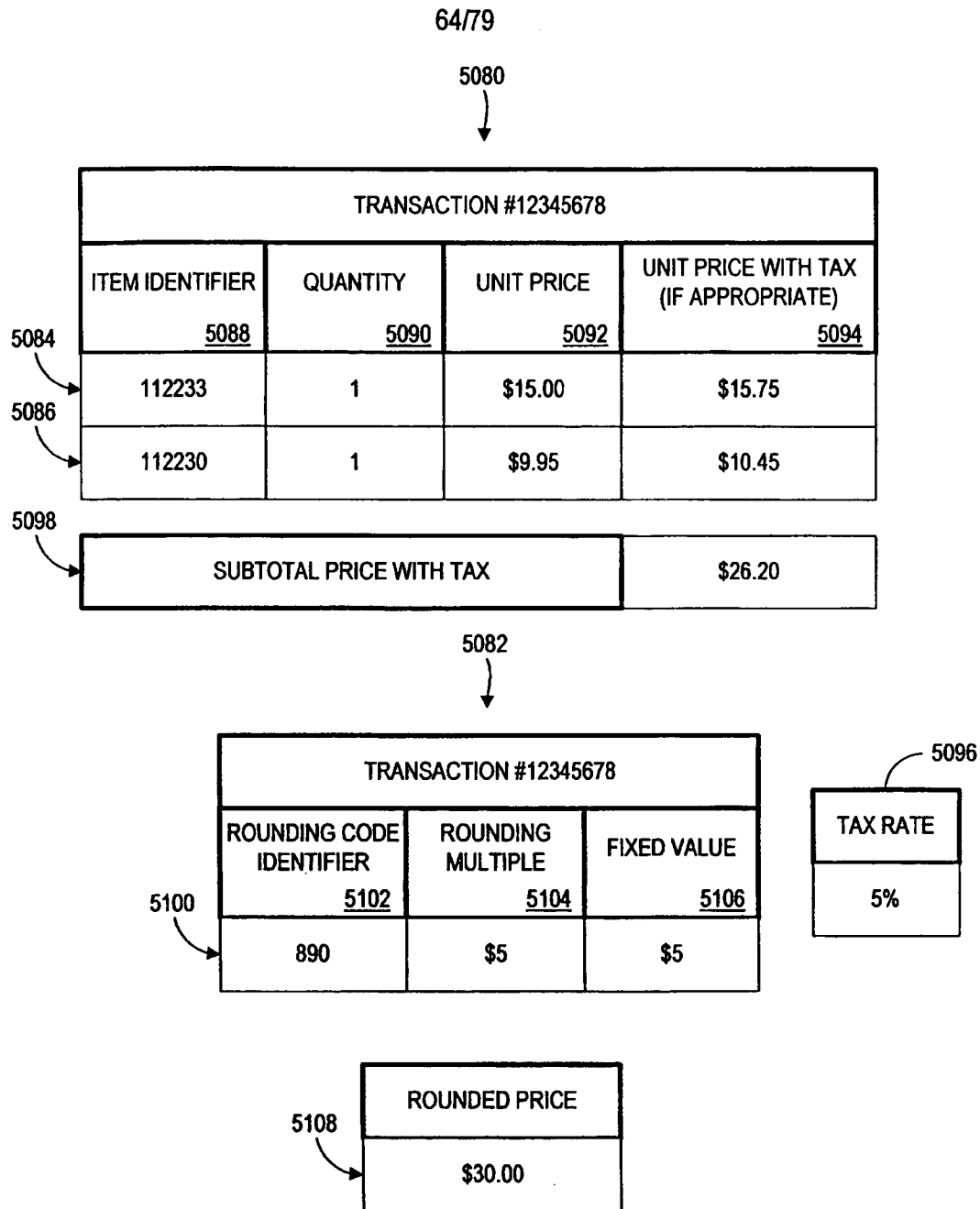


FIG. 62

5120

TRANSACTION IDENTIFIER	DATE	TIME	POS TERMINAL IDENTIFIER	REVENUE
12345678	12/1/99	10:04 AM	7	\$30.00
12345679	12/1/99	11:15 AM	3	\$4.28

5122

5124

FIG. 63

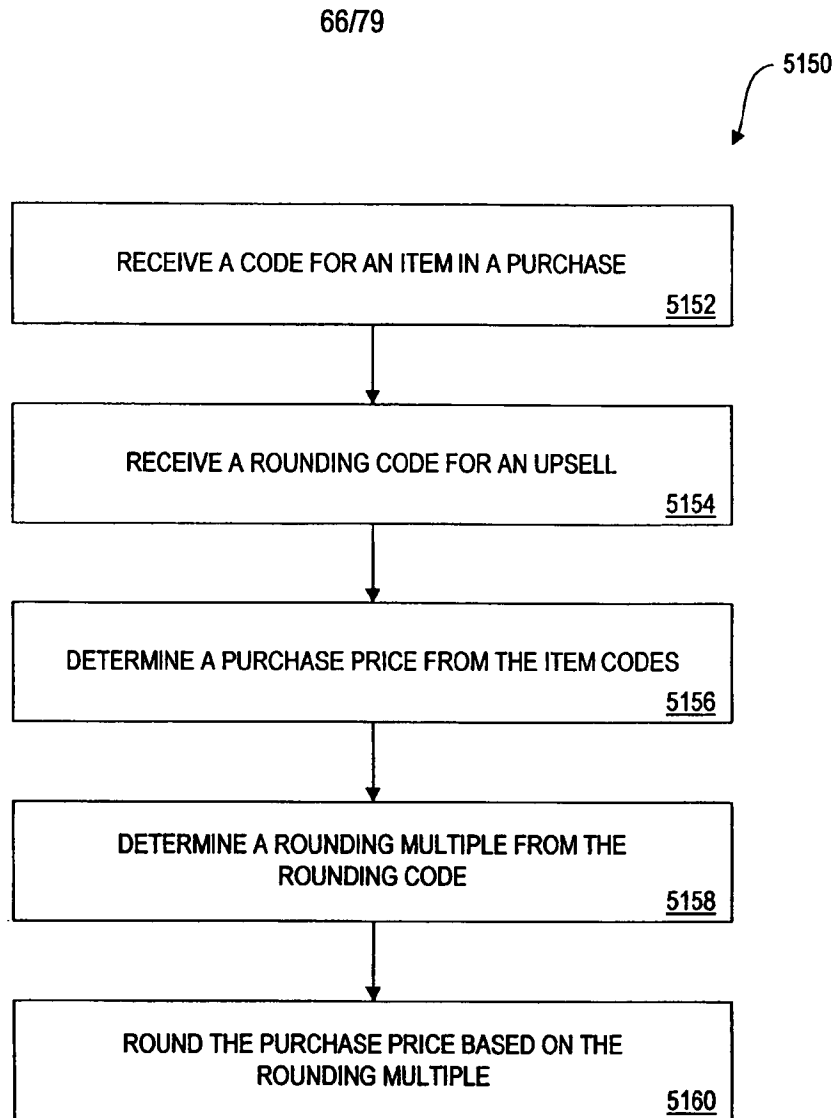


FIG. 64

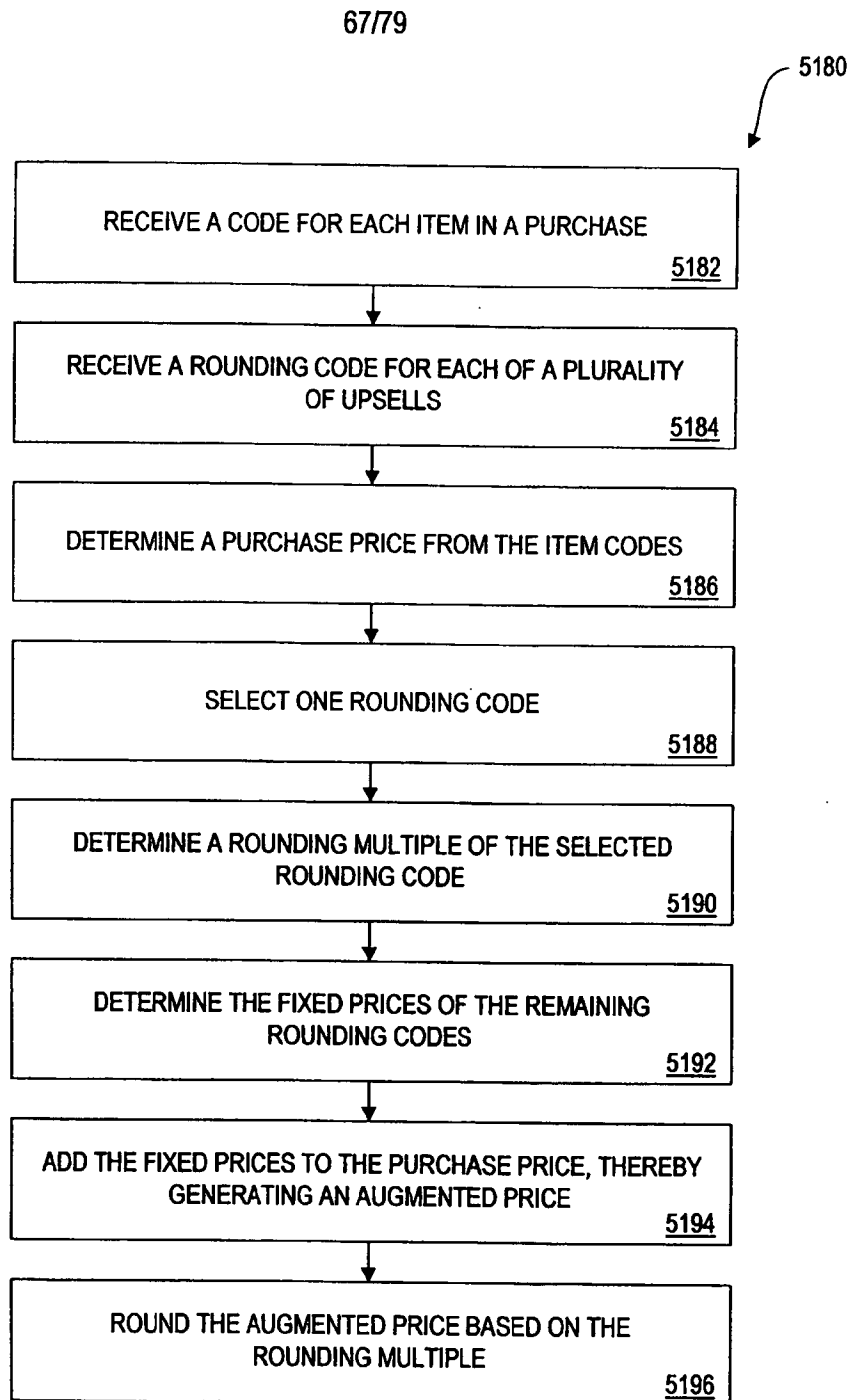


FIG. 65

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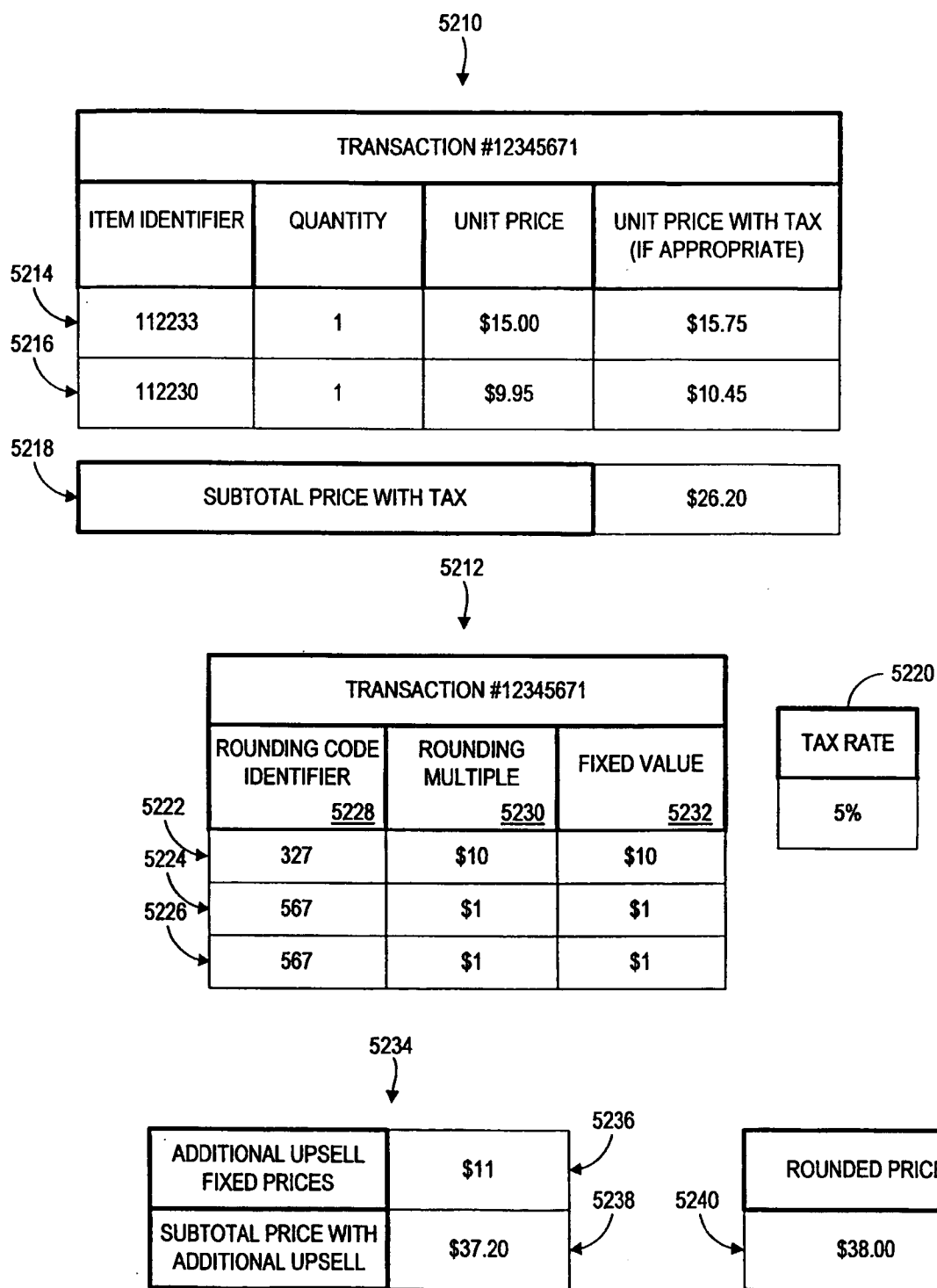


FIG. 66

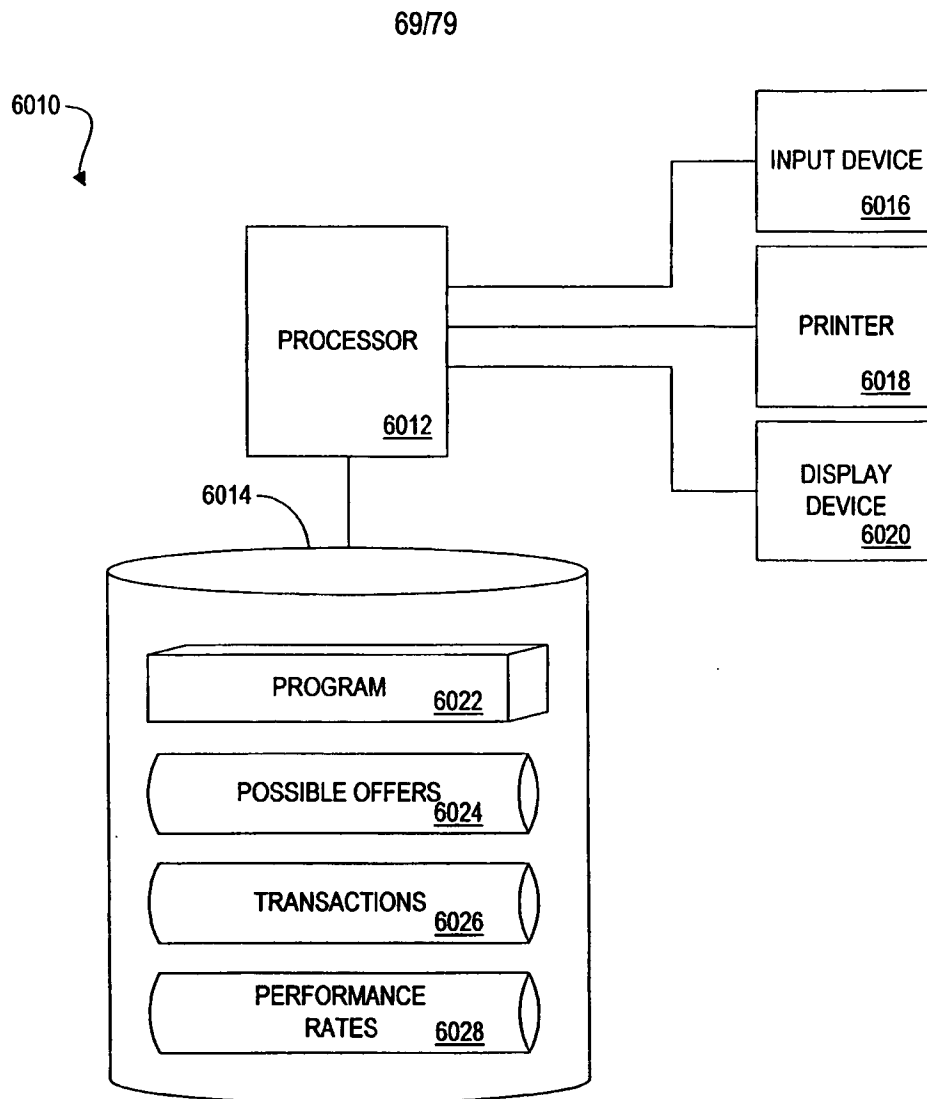


FIG. 67

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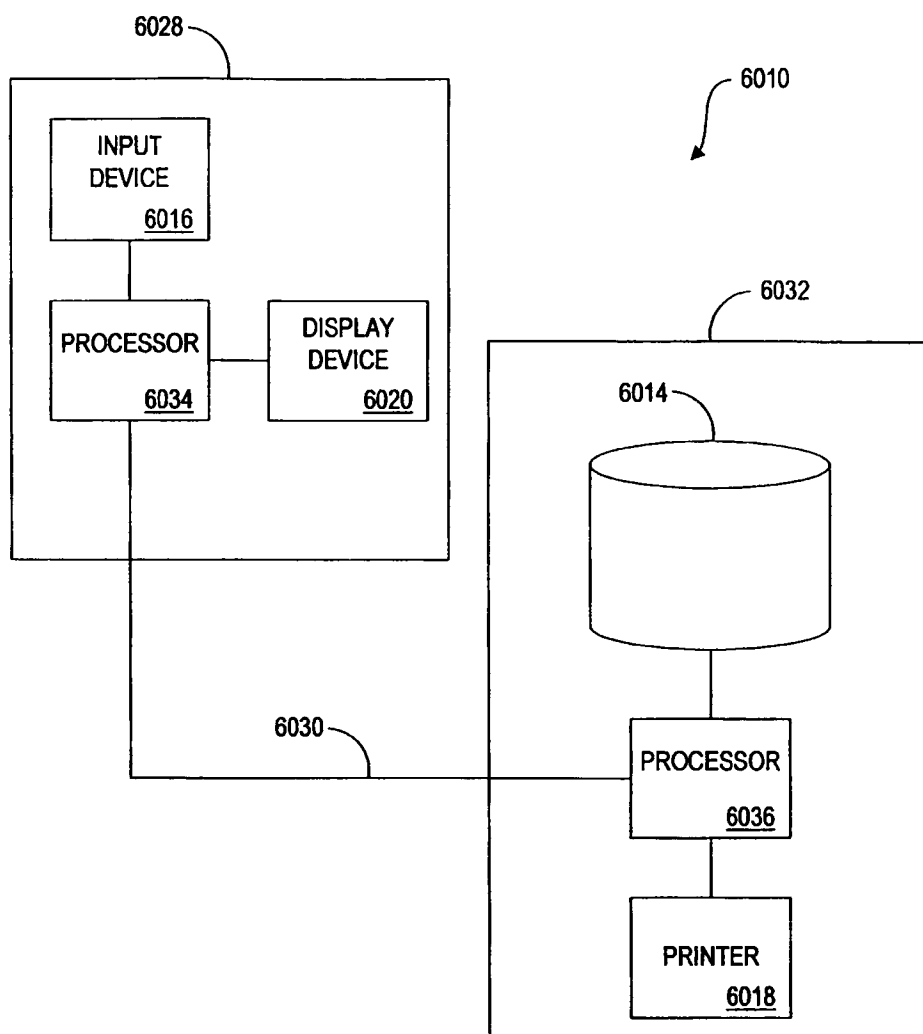


FIG. 68

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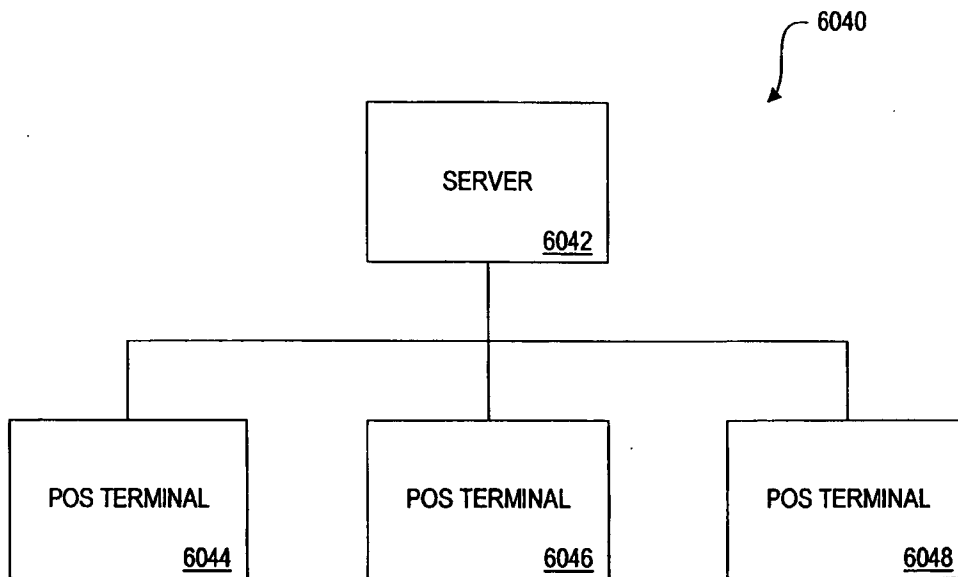


FIG. 69

6060

OFFER IDENTIFIER 6070	OFFER DESCRIPTION 6072	COST OF OFFER 6074	OFFER FREQUENCY 6076
A	LOTTERY TICKET	\$1.00	25%
B	COUPON	\$0.42	25%
C	UNSOLD MAGAZINE	\$0.52	25%
D	FREE MEAL	\$0.87	25%

6062 6064 6066 6068

FIG. 70

6090

POS TERMINAL #7							6092
TRANSACTION IDENTIFIER 6100	DATE 6102	TIME 6104	PURCHASE DESCRIPTION 6106	OFFER IDENTIFIER 6108	OFFER ACCEPTED 6110	REVENUE FROM OFFER 6112	
12345670	1/30	8:00 AM	ITEMS X,Y,Z	A	NO		
12345671	1/31	12:45 PM	ITEMS A,B,C,D	C	YES	\$0.78	
12345672	1/31	3:00 PM	ITEMS C,D BY CUSTOMER 7203	B	YES	\$0.50	

6094

6096

6098

FIG. 71

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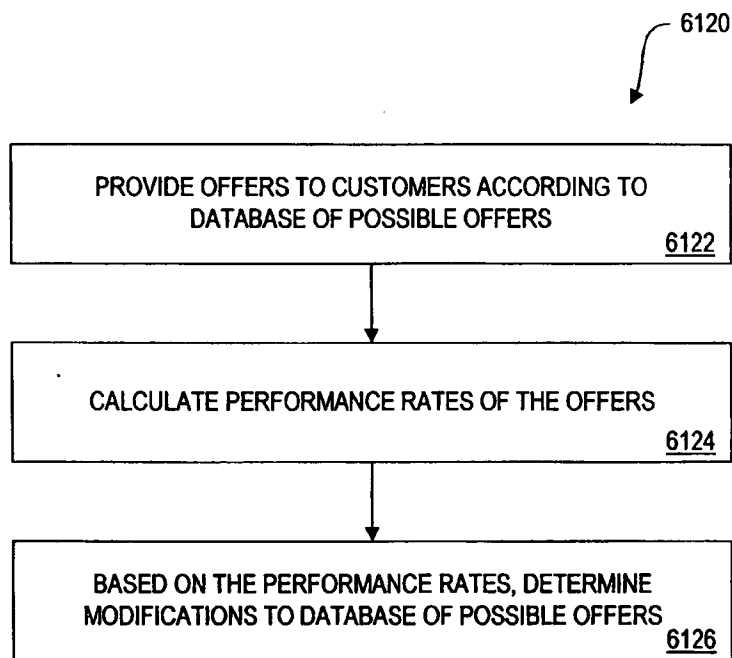


FIG. 72

75/79

6140

OFFER IDENTIFIER 6150	NUMBER OF TIMES ACCEPTED 6152	NUMBER OF TIMES PROVIDED 6154	ACCEPTANCE RATE 6156
A 6142	204 6144	1,000	20.4%
B 6146	49 6148	330	14.8%
C	17	392	4.3%
D	76	900	8.4%

FIG. 73

6170

OFFER IDENTIFIER 6180	NUMBER OF TIMES ACCEPTED 6182	NUMBER OF TIMES PROVIDED 6184	AVERAGE REVENUE PER ACCEPTED OFFER 6186	AVERAGE PROFIT PER ACCEPTED OFFER 6188	AVERAGE PROFIT PER OFFER 6190
A	204	1,000	\$1.50	\$0.50	\$0.102
B	49	330	\$0.78	\$0.36	\$0.053
C	17	392	\$1.00	\$0.48	\$0.021
D	76	900	\$0.95	\$0.08	\$0.007

6172
6174
6176
6178

FIG. 74

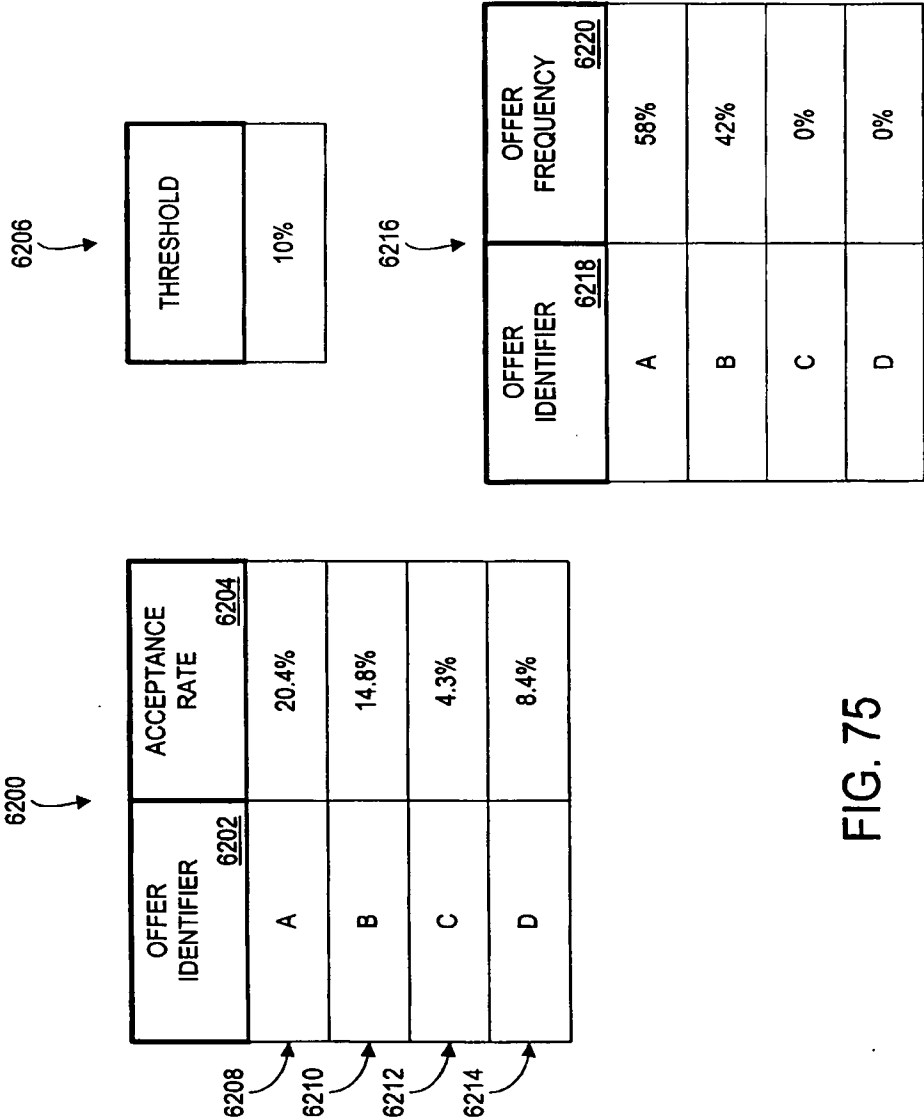


FIG. 75

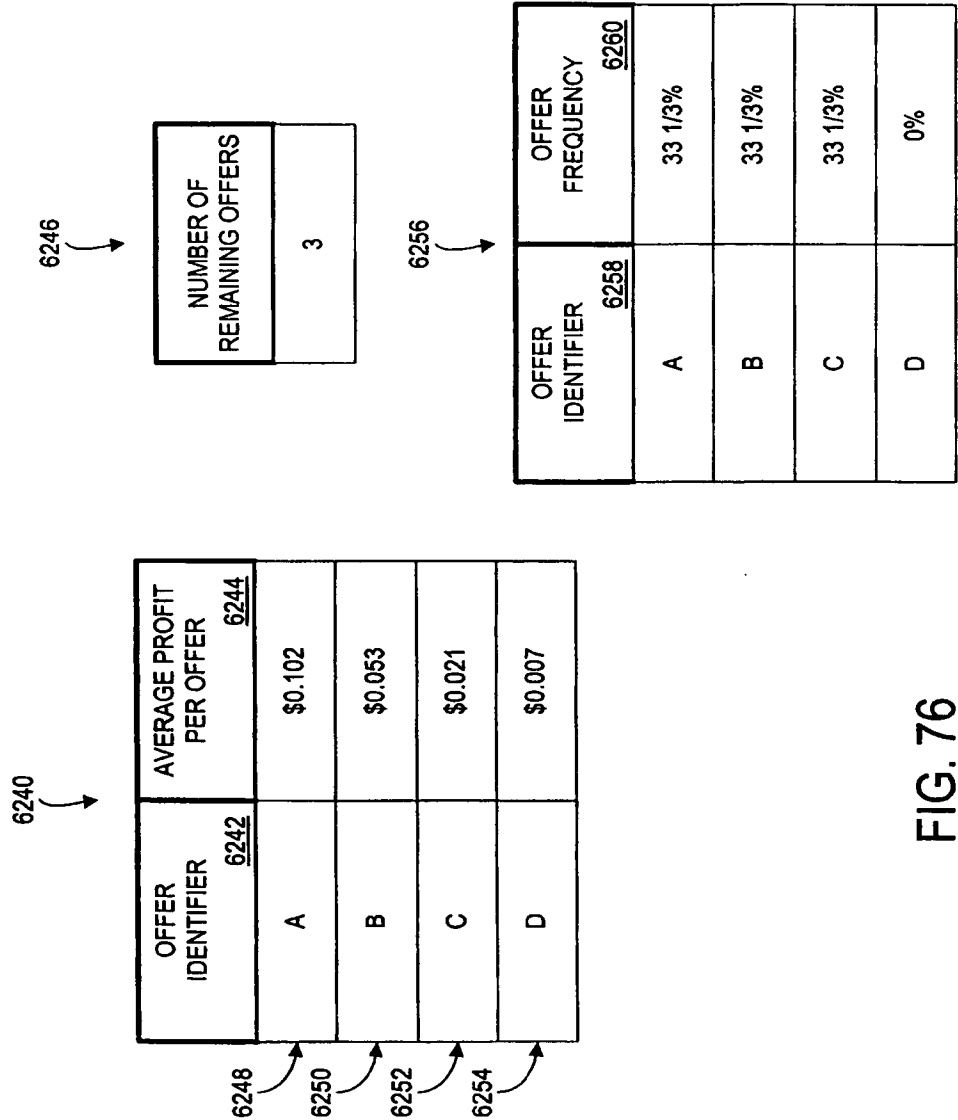


FIG. 76

6300 ↗

OFFER IDENTIFIER 6310	OFFER DESCRIPTION 6312	COST OF OFFER 6314	OFFER FREQUENCY 6316	FREQUENCY FIXED 6318
A	LOTTERY TICKET	\$1.00	33%	NO
B	COUPON	\$0.42	33%	NO
C	UNSOLD MAGAZINE	\$0.52	33%	NO
D	\$50.00 GIFT CERTIFICATE	\$50.00	1%	YES

6302 ↗

6304 ↗

6306 ↗

6308 ↗

FIG. 77